Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 134 NOVEMBER 14, 1938 Number 20

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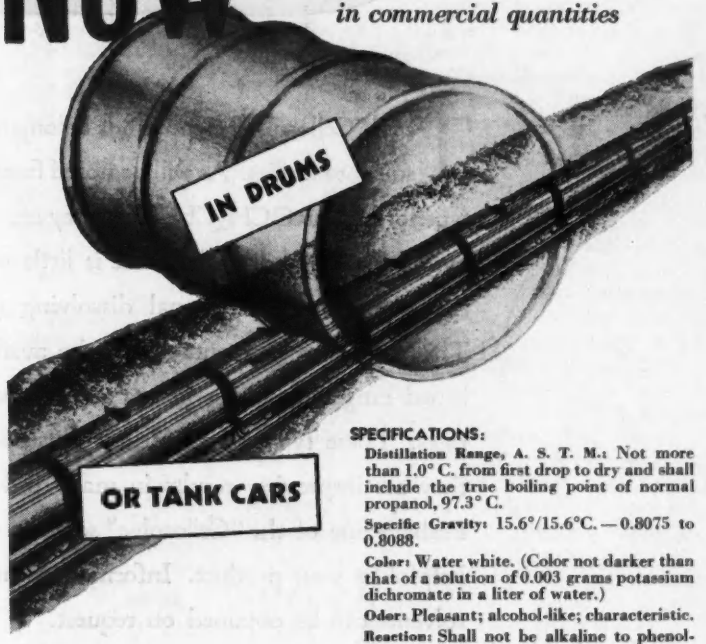

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 134 NOVEMBER 14, 1938 Number 20

Reporter's Nationwide Business Survey Shows Chemical Activities Reviving in Third Quarter

Basic Upturn in General Business Reflected in Larger Demand for Industrial Materials—Price Structure More Stable—Outlook Optimistic

Sales and then production of chemicals, oils, and drugs grew steadily better during the third quarter of this year, the improvement beginning late in July and gaining in proportion as the period advanced. There was not much anticipatory influence behind this improvement; sales were increased chiefly, almost wholly, by the demands of consuming industries as these responded more and more to the bettering sentiment, increasing confidence, and revived activity in business as a whole. There was some bidding by means of reduced prices, particularly in heavy chemicals and oils, fats, and waxes; but these reductions were almost wholly offset by advances in other divisions, and the general average was but fractionally reduced during the quarter.

Increasing sales were followed by increased production, the relative position of the two activities being maintained throughout the period with a moderate margin, always a bit on the safe side. In relation to the usual trend of activities, sales increased 16.3 percent in volume, compared with the preceding quarter, and production was pushed up 12.5 percent. At that, inventories acquired a slight additional weight during the quarter, and at the end of the period averaged 1.0 percent larger than at the corresponding time in 1937. In no division were producers' inventories markedly heavy, and where they were above the average, the accumulation had in most instances been carried over from the slower period of the first half of the year.

Production, according to data contributed to the REPORTER'S quarterly survey of business, was below the level of the corresponding quarter in 1937 in all divisions with the exception of fertilizer materials—the increase there was small—and averaged 7.3 percent less for the ten divisions covered by the survey. Sales averaged 7.9 percent less in volume, botanical materials showing the largest recession (21.0 percent), but were larger than in the 1937 quarter in fertilizer materials, and petroleum products. The aggregate value of sales was down 12.9 percent, the larger decline being attributable to a reduction of 6.9 percent in prices as a whole over the year.

Price behavior over the year varied widely, from a reduction of 23.4 percent in oils, fats, and waxes to an advance of 0.1 percent in drugs and fine chemicals. In petroleum solvents and other derivatives, the price reduction (13.6 percent) was so adversely influential that, although the volume of sales was 6.3 percent larger than that in the third quarter of 1937, the total value of these sales lacked 9.1 percent of equalling that for the 1937 period. It is worthy of note that the 0.1 percent increase in the botanicals' price was the only one on that side during the year. During the third quarter, prices were advanced in three of the ten divisions of the chemical, oil, and drug markets—dyestuffs, textile and leather chemicals; paint, varnish, and lacquer materials; and drugs and fine chemicals. The average of these advances was but 1.1 percent, however, and the general average at September 30 was 0.8 percent lower than at June 30.

Bowing to circumstances on which they could exert but little influence at best, the chemical, oil, and drug industries had pared their profits substantially during the three lean quarters that followed the first faltering of general business in the Fall of 1937. They did not, however, rush to the expediency of advancing prices as soon as increasing sales indicated that demand had again become the influential member of the somewhat antiquated team of "Supply and Demand." These industries realized that prices were a very important factor in business activity and that, as long as prevailing schedules did not represent actual losses, it was better to look to volume, rather than price, as the means of increasing earnings—for the time being, at least. There is a feeling in these industries that stabilized prices are one of the best, if not the most important, assurances of steady demand for their products. They have learned that, while consumers will anticipate their requirements a little farther in advance in a rising market, there is so much competition among various interchangeable materials that diminishing returns will set in suddenly if a price is advanced beyond its relative competitive level, and that consumers watch this level as closely as they do the possibility of further advances.

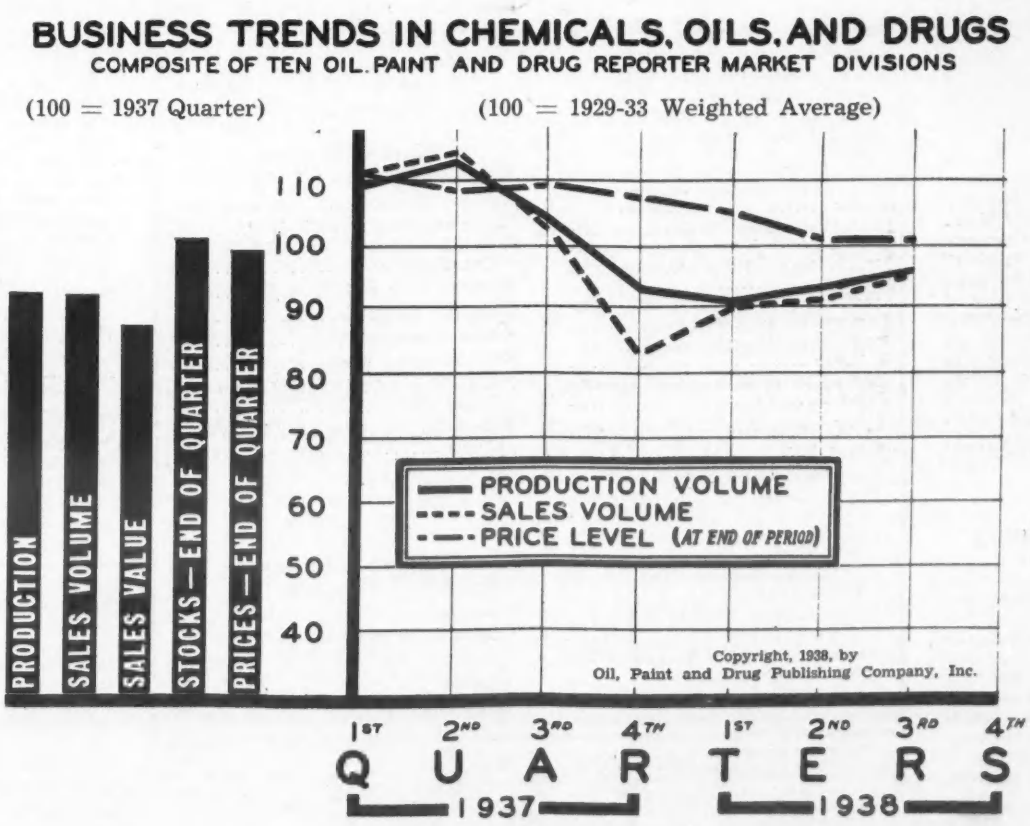
Employment in the chemical, oil, and drug industries did not change substantially during the third quarter, in relation to the preceding period, but the trend was upward; whereas it had been in the other direction from April to June. During the third quarter it averaged 14.5 percent less than in the corresponding period in 1937, but this difference compared favorably with a recession of 21.7 percent in manufacturing industry as a whole. Payrolls in the chemical group

—*Turn to page 22*

Chemicals, Oils, Drugs
Conditions: Third Quarter, 1938

(100=Corresponding period in 1937)

Production	92.7
Sales volume	92.1
Sales value	87.1
Stocks, September 30	101.0
Prices, September 30	93.1
Exports (Jan.-Aug.)—$397,893,700	101.6
Imports (Jan.-Aug.)—$201,898,600	64.4
Credit conditions	Unchanged
Outlook	Brighter



Closing Market Developments

Tin Market Steady

Tin salts held their recent advances later in the week. Absence of trading in the Straits metal in the London market because of the Armistice holiday precluded any price fluctuations.

Miscellaneous Oils Quiet

The markets for cottonseed oil and lard futures were closed on Friday in observance of Armistice Day, and business here in miscellaneous oils, fats and greases was generally suspended. Northwestern flaxseed markets and Southern naval stores markets were also closed.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Ammonium Sulphate:—The Japanese Imperial Diet has enacted a law providing for the control of production and distribution of ammonium sulphate.

Chemicals:—A Uruguayan decree established thirty-four new tariff valuation classifications in the schedule covering drugs and chemical products.

Drugs:—The centralized control of the drugs and chemical trade is being requested of the Indian government by the committee of the Indian Chemical Manufacturers' Association. Unrestricted importation and exportation of spirituous and medical preparations containing less than 20 percent proof spirit to enable the domestic chemical industry to have its fair share of the trade in "patent" medicines has been urged.

Fertilizer:—During the period November 1, 1938, through October 31, 1939, quotas of 12,000 tons of artificial fertilizer may be imported in Eire.

Metals: — The Mexican Valuations Committee has changed the valuations of various metals for the collection of the export tax of 12 percent to the following:—Mercury, 4.677 pesos per gross kilo; cadmium, 6.482 pesos per gross kilo; tungsten, 3.971 pesos per gross kilo; graphite, 0.123 pesos per gross kilo, and copper, 0.30 pesos per gross kilo.

Parcel Post:—Insured as well as ordinary parcels, up to the maximum weight of twenty-two pounds per parcel, will be accepted for mailing to Barbados, according to the Post Office Department, Washington.

Pectin:—A German decree prohibits the use of substitutes for fruit pectin as a jellying or thickening agent in fruit products.

Two Potato Starch Mills Near Completion in N.E.

Two potato starch plants, equipped with time saving machinery for the manufacture of starch for New England textile mills, are nearing completion in Houlton, Me. The plants are being constructed by the New England Starch Company, and Aroostook Potato Products, Inc., the latter being a subsidiary of Morningstar, Nicol, Inc., New York.

The New England Starch Company will use approximately 2,000 barrels of potatoes daily, with a maximum daily production capacity of twenty tons of finished starch. In this mill the "time cycle" of manufacturing will be reduced from the usual seventy-two hours to six hours. At the Aroostook Potato Products plant a new type of American starch will be manufactured. In addition to utilizing surplus local crops, the plant also will manufacture from imported raw materials.

N.Y. Trade Board Moves To Aid Fair Trade

The New York Board of Trade, Inc., has established a committee on fair trade practices, aimed to eliminate unfair competitive methods through voluntary cooperation and regulation with the aid of the government, it was announced at the board's monthly luncheon at the Hotel Commodore, November 7. The committee will consist of fifteen members, with a chairman, secretary and general counsel.

Chemical Price Average Held

There were some price changes in the markets for heavy and fine chemicals last week, and a few were worthy of note. The changes were closely divided in number and in importance between advances and reductions. Advances in tin derivatives and reductions in synthetic polyhydric alcohols were the notable changes.

Business was somewhat reduced in volume by the occurrence of two holidays in the week. The results of the country's elections added to the optimism and confidence of the general sentiment, and this was reflected in the issuing of a number of 1939 contract schedules without change in quotations. Among the articles on which schedules were issued were commercial sulphate of alumina, white sal ammoniac, cyanides, glauber's salt, phosphates, hyposulphite, and sulphide of soda, chloride and sulphate of zinc, mineral acids, maleic acid, phthalic anhydride, and titanium pigments. The tankcar schedule on carbon black will be ½ cent per pound higher in the first 1939 quarter.

Prices were advanced on Straits tin, tetrachloride of tin, stannous chloride, tin crystals, stannate of soda, gum rosin, egg yolk, dried blood and tankage at Chicago, and menhaden meal.

Prices were reduced on mannitol, sorbitol, quicksilver, gum turpentine, egg albumen, J1 and J2 myrobalans, sumac leaves, ground sumac, cocoa butter, and imported dried blood and tankage.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 125.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 88.8, compared with 90.2 at this time last year and 88.9 in 1936.

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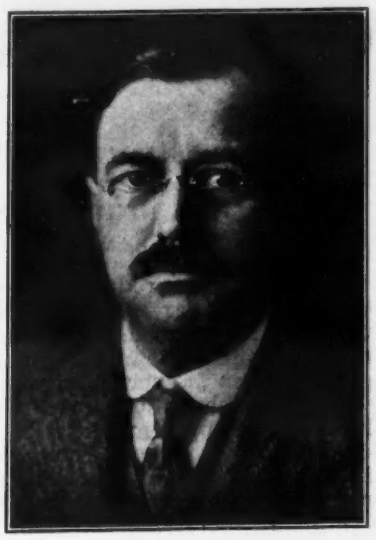
Oil, Paint and Drug Reporter, Volume 134, No. 20, November 14, 1938. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Obituaries

Dr. Allen Rogers

Dr. Allen Rogers, supervisor of the chemical engineering department at Pratt Institute, Brooklyn, died in his Summer home in Hampden, Me., November 4. He was sixty-two years of age. Dr. Rogers had been ill for several months and had been on leave of absence since last December.

A native of Hampden, Dr. Rogers received his B.S. in chemistry from the University of Maine in 1897 and his M.S. degree in 1900. He received his Ph.D. from the University of Pennsylvania in 1902. Dr. Rogers was an instructor in chemistry at the University of Maine from 1897 to 1900, and a senior fellow at the University of Pennsylvania from 1902 to 1903. He was an instructor in organic chemistry there from 1903 to 1904, leaving to become research chemist for the Oakes Manufacturing Company, Long Island. He remained with the Oakes company until 1905, the year in which he became a member of the faculty of Pratt Institute.



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Dr. Allen Rogers

Coincident with his work at Pratt Institute, Dr. Rogers was consulting engineer for many industrial organizations, having acted at various times in that capacity for the Barrett Company, the Mathieson Alkali Works, E. I. du Pont de Nemours & Co., the Virginia Smelting Company, Davis & Geek, and the Great Northern Fur Dyeing & Degreasing Company. He held several patents in leather tanning and surgical sutures, and was an author of text books and articles, dealing with leather, furs, soap, paints and sutures. During the World War he was a major in the Chemical Warfare Service. In 1920 he received the Grasselli Medal for work in adapting shark skin for commercial use.

He was a member of the American Chemical Society, of which he served as chairman of the New York section in 1916-17; the American Leather Chemists Association, the Society of Chemical Industry, of which he served as American secretary 1914 to 1924; the American Society for Testing Material, the Society for the Promotion of Engineering Education, the American Society for the Advancement of Society. He was also a member of the Chemists' Club, this city, and served as its vice-president from 1904 to 1905.

Surviving are his wife, and a son, Allen Ellington Rogers.

Walter D. Foss

Walter D. Foss, retired president of the Wooster Brush Company, Wooster, Ohio, died November 4 in a hospital in Cleveland where he had been ill since July 6. He was eighty-two years of age.

A native of Wooster, Mr. Foss started work at seventeen years of age as a telegraph operator for the Pennsylvania Railroad, serving as a train dispatcher for several years. In 1879 he entered into a partnership with his brother-in-law, the late George J. Schwartz, for the purpose of taking over the management of the Wooster Brush Works, which had been started by his father in 1851. He continued to operate it until 1901 at which time O. H. Foss, D. J. Foss, Lewis Rhodes and Miss Elma

—Continued on page 43

I.C.C. Sets Hearing On Trucking Hours

OPD Washington Bureau
November 9, 1938

The Interstate Commerce Commission has instituted a proceeding, docketed as ex parte MC-28, to determine the extent of its jurisdiction over the hours of service of employees, other than drivers, of common, contract, and private carriers by motor vehicle.

The commission has already fixed hours of service for drivers of common and contract carriers, and last week announced hearings in ex parte MC-3 in which it is proposed to establish regulations for drivers of private trucks. The new proceedings are to establish the jurisdiction of the commission and the Wage and Hour division of the Department of Labor over motor carrier employees other than drivers, because the wage-hour law exempts from its hours provisions those persons under I.C.C. jurisdiction.

Since this is declared to be a matter of law rather than of fact, no testimony will be taken, but the commission will hear oral arguments December 16. If it is then determined that the commission's jurisdiction extends only to those employees whose duties effect safety of highway operation, hearings will later be scheduled for the purposes of determining such classes of employees.

A.M.A. Discusses Inventories and Costs

Approximately 300 executives in all lines of productive industry attended the meeting in the Pennsylvania hotel, November 9-10, sponsored by the American Management Association, for the purpose of studying methods of reducing unit costs, inventory problems and quality control.

Clifton H. Cox, industrial engineer for Merck & Co, pharmaceutical manufacturers, Rahway, N. J., told of a system of training of supervisors in cost reduction. He defined supervisors as any employees, from vice-presidents down to service operators, who supervise expenditures for either labor or materials.

Mr. Cox explained that it is possible, with the proper approach, to develop in each supervisor the four requisites for work simplification, i. e., the simplicity to wonder, the ability to ques-

—Continued on page 44

Alcohol Tax Change Asked for Flavorings

OPD Washington Bureau
November 10, 1938

A petition for a reduction in the tax on alcohol used in the manufacture of flavoring extracts was laid before the Treasury Department today in a conference of representatives of the drug and flavorings industries with John W. Hanes, Under-Secretary of the Treasury. The petition set forth the unwarranted discrimination in the taxing of alcohol used in flavorings at the rate statutorily applied to alcohol for beverage purposes.

The following associations of the industries were represented in the conference:—

American Association of Colleges of Pharmacy, Prof. W. Price Briggs; American Pharmaceutical Association, S. L. Hilton; Flavoring Extract Manufacturers Association, John S. Hall; Industrial Alcohol

—Continued on page 44

Galvanized Iron Primer Specification Proposed

OPD Washington Bureau
November 8, 1938

A Federal specification for galvanized iron paint primer has been issued in tentative form by the technical committee on paint of the Federal Specifications Executive Committee, National Bureau of Standards. Comments, criticisms, and suggestions are invited from paint manufacturers by December 1, and the proposed specification has been sent for particular attention to Dr. H. A. Gardner, director of the scientific section of the National Paint, Varnish and Lacquer Association; Ernest V. Gent, president of the American Zinc Institute, and E. A. Stoppel, chairman of the technical advisory committee of the Federation of Paint and Varnish Production Clubs.

—Continued on page 49

Naval Stores Rules Approved by AAA

OPD Washington Bureau
November 10, 1938

The 1939 naval stores conservation program was announced today through an order promulgated by the Agricultural Adjustment Administration.

The program follows the lines of the 1938 program but contains the changed production restrictions and benefit payments tentatively agreed upon at a conference of producers in Washington in September and outlined in the September 12 issue of the OIL, PAINT AND DRUG REPORTER.

Sudeten Articles Dutiable as German

OPD Washington Bureau
November 9, 1938

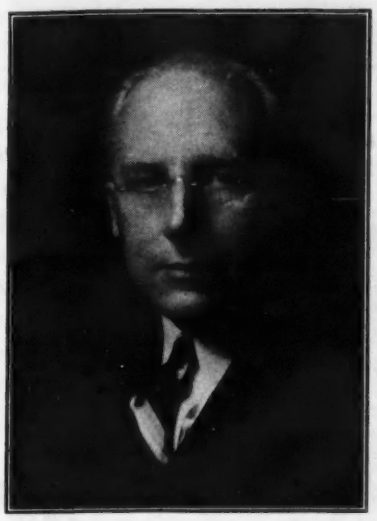
The Commissioner of Customs today ruled that all articles imported into the United States from the Sudeten areas of Czechoslovakia now under German occupation are to be considered products of Germany for purposes of marking and of ascertaining rates of duty. The order is effective against all goods exported on and after November 10, 1938, except those previously invoiced officially to the United States.

The announcement was made in a telegram to all collectors of customs and was based on information from the Department of State regarding the change of jurisdiction of the Sudeten areas. The order means that products from those areas must not only be marked to show that they were made in Germany but must also pay higher duties in many cases. The United States has a reciprocal trade agreement with Czechoslovakia under which many products from that country are admitted at rates of duty considerably less than the statutory rates, but products of Germany do not share these special rates because Germany is listed as discriminating against American products and therefore is not given most-favored-nation treatment. Since a considerable portion of the industrial areas of Czechoslovakia is now under German control, this order may affect a great many imported products.

Chemical Engineers Institute Discusses Research Activities

Philadelphia, Nov 9, 1938

Frederick Clemens Zeisberg of E. I. du Pont de Nemours & Co., was re-elected president of the American Institute of Chemical Engineers at the thirty-first annual meeting in the Benjamin Franklin hotel, November 9 and 10. Other officers re-elected to serve were:—Vice-president, Webster N. Jones, dean of the School of Engineering of Carnegie Institute of Technology,



Frederick C. Zeisberg
Re-Elected President

Pittsburgh, Pa.; secretary and executive secretary, Stephen L. Tyler, New York; treasurer, C. R. DeLong, New York.

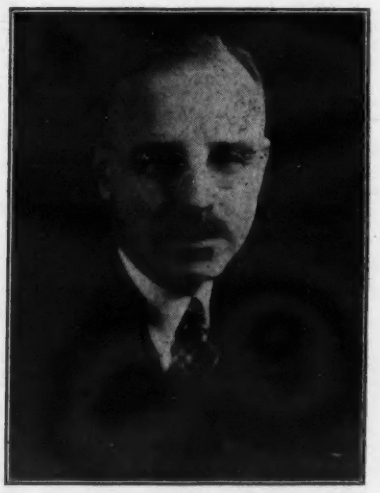
The following directors were elected to serve for a term of three years each:—J. LeRoy Bennett, manager of chemical operations of the explosives department of the Hercules Powder Company, Wilmington, Del.; Barnett F. Dodge, chairman of the department of chemical engineering of Yale University, New Haven, Conn.; Victor L. King, technical director of the Calco Chemical Company, Bound Brook, N. J.; and Charles M. A. Stine, vice-president of E. I. du Pont de Nemours & Co., Wilmington, Del.

Mr. Zeisberg was born in Jefferson City, Mo., in 1888. Following his professional chemical training in the University of Virginia, he was for several years chemist for the Mathieson Alkali Works. Since 1909 he has been with the du Pont company, first as research chemist, later as technical executive and technical investigator. He is widely known as a specialist in the manufacture of acids, in which field he holds patents and in which he played a particularly important part during the war.

Patent Protection

Protection by patent rights is vital to the welfare of American industry, pointed out Dr. Frank B. Jewett, vice-president of the American Telephone & Telegraph Company, New York, and member of the patent committee of President Roosevelt's Science Advisory Board. Inquiring into the basis for past and present charges that the patent system is a tool of monopolists, Dr. Jewett stated that to do anything which tends seriously to impair or threaten the basic concepts of our patent system on the assumption that by so doing we will further the interests of the individual, of industry, or of society is to force a return to the philosophy of secrecy and to set our feet on the road to industrial suicide. Modern industry, which is based on applied science, he said, is too vast and complicated to live in a world ruled by the dictates of secrecy. To live and expand he declared that industry must have full access to a common store of information.

Dr. Jewett said that so long as we have a patent system and a virile industry based on the application of modern scientific knowledge, the group acquisition of patent rights is as necessary and inevitable as that capital should be provided or men employed. He added that the iniquity or anti-social character, if any, is not in the ownership of a multitude of patent rights any more than it is in the single ownership of a multiple of many kinds of property. He argued that the right to exclude others from the unauthorized use of one's property, be that property large or small, is a common characteristic.



Stephen Tyler
Re-Elected Executive Secretary

In reply to the accusation that a company often suppresses socially valuable patents because they would hinder the present interests of the company, Dr. Jewett said, that the number of unused patents is large goes without question; that any considerable number of them are of much, if any, value. He doubted that any really valuable patents are "suppressed." He explained that any one possessed of a valuable patent has every reason to exploit it before its life blood runs out and dare not delay the exploitation for fear his competitor will get a better patent. He said that no doubt there are now as there always have been valuable patents which are not in use because the art to which they apply is not yet far enough advanced to permit it. This is not suppression—all the will in the world could not force use under the conditions.

—Continued on page 29

New York Paint Technicians Discuss Research and Tests

Competition in business today begins in the research laboratory declared T. F. Bradley, of the Stamford, Conn., laboratories of the American Cyanamid & Chemical Corporation, before the New York Paint and Varnish Production Club at the meeting November 10.

In addition to Mr. Bradley the gathering also heard brief addresses by L. P. Moore and B. W. Barnes on the facilities and programs under way at the new Stamford laboratories of the Cyanamid organization, and a narration by John McE. Sanderson, of the same company, on progress in the formulation of paints, varnishes, and lacquers. A business session and a dinner preceded the speaking.

Fundamental Research

Mr. Bradley, who heads the fundamental research department of the new laboratory, related the trend toward specialized research. Fundamental investigations, he stated, although so expensive as to be indulged in by only the larger companies, are a form of business insurance; they expedite progress in other fields of research. He pointed out the field of polymerization in substantiation of this assertion.

Using projection equipment, Mr. Bradley also pictured some of the facilities of the fundamental research department at Stamford. Among the programs pictured were the study of gaseous phase reactions, oxidation as regards resinous compounds, and alkyd resins and esters. He also displayed a sample of a synthetic drying oil which was one of the "incubator babies" of these basic studies. He said that the oil contained no fatty acids and none of the usual drying oils, was a 78 percent solution in water, and air dries or bakes to a soft flexible film. Samples of such films were shown.

Mr. Moore spoke on "The Organization of the General Research and Development Laboratories." This presentation, which also contained a projection display, described and pictured the entire Stamford laboratories, stressing those parts in which paint, varnish, and allied research work is carried on. Pictures of the paint racks, technical service laboratories, pilot plant, semi-commercial-scale plant, and resin-cooking units were displayed.

Testing Surface Coatings

Mr. Barnes in his address, "Physical Testing Methods for the Evaluation of Surface Coatings," discussed the function of the physical analysis department of the Stanford laboratory. He declared that the use of light—infrared, visible, and ultraviolet—had become a most important research tool. With it the physicist can quickly and accurately analyze any substance. He cited a test accomplished in the physical testing laboratory in two and one-half minutes which required six hours by chemical analysis. Results were similar.

In explaining the manner in which spectroscopical analysis was possible, Mr. Barnes stated that every chemical atom, radical or molecular conglomeration had its individual, exact, unvarying point of vibration. Previous studies have determined the wave-lengths of light at which the hydroxyl radical and the various chemical combinations absorb light energy and vibrate. Therefore by passing infrared, visible, ultraviolet or other light through the unknown sub-

—Continued on page 50

WISMUTH . . .

miners termed the strange metal, denoting the varied tints shown when bismuth was freshly broken. Confused for centuries with other metals such as antimony, bismuth was not introduced into medicine until almost 1700.

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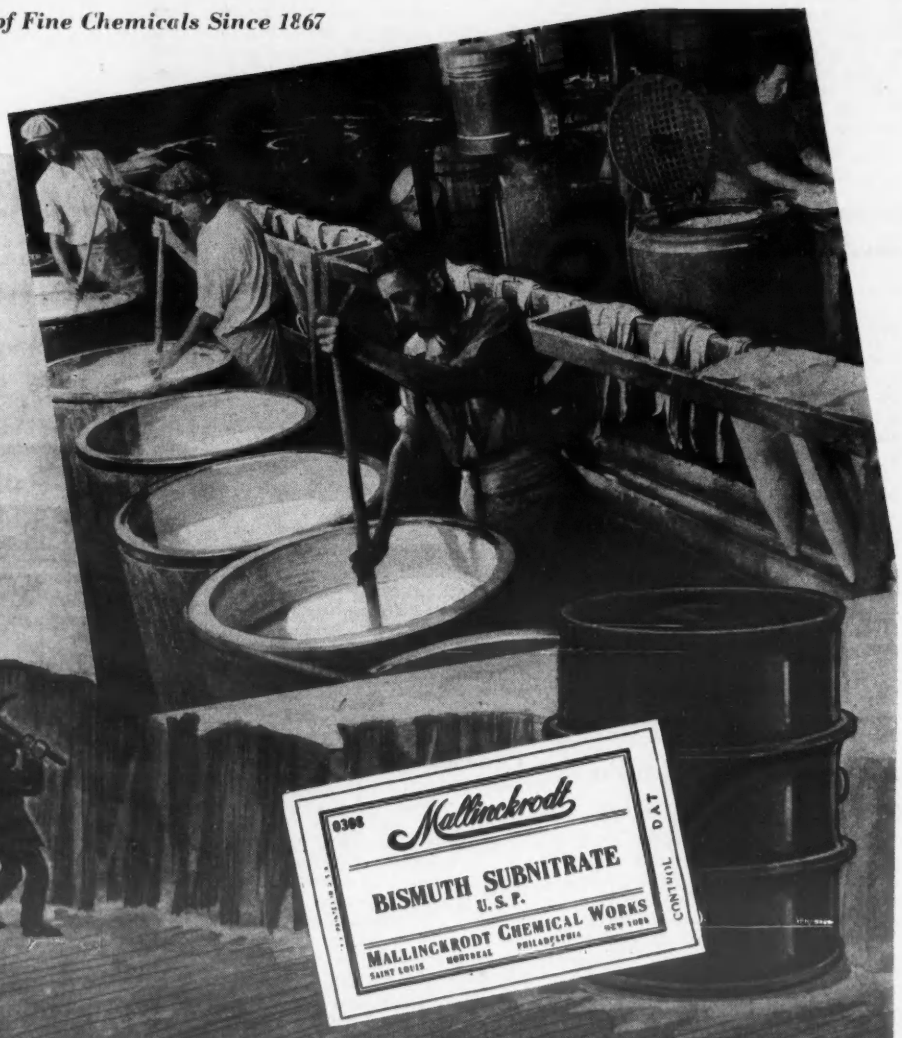

RECEIVED NOV 15 1938 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd....lb. .16 - —
Acetamide, CP, kgs., 1,000-lb. lots, dlvd..lb. .44 - —
tech., kgs., 1,000-lb. lots, dlvd., lb. .39 - —
Acetanilide, tech., bbls.....lb. .22 - —
95% bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd. .....lb. .06¼- —
tanks, dlvd. .....lb. .04¾- —
Methyl (see M)
Acetophenone, bots. .....lb. 1.30 - 1.45
cns., 25 lbs. .....lb. 1.15 - 1.25
dms., 100 lbs. .....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l.....08¾- —
l.c.l. .....lb. .09 - .12
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
50%, bbls. .....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls. .....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls. .....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls .....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls. .....100 lbs. 10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms. ....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls. .....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls. .....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls. .....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kgs, 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks, contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .16 Nom.
Chlorosulphonic, d m s . . c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y..lb. .15¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .22 - —
10,000 lb., lots, one shipt., lb. .22¼- —
smaller lots.....lb. .23 - —
kegs .....lb. .23½- —

Acid, citric, anhyd., gran, dms., 10,000 lbs. 1 shipt..lb. .25 - —
smaller lots .....lb. .25½- —
Citric acid quotations on powder are ¼c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls. .....lb. .57 - —
Coconut oil, dist., dms.....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .06¾- .07¼
tanks .....lb. .06¼- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .73 - —
l.c.l., same basis.....gal. .74 - —
low-boil, dms., c.l., works frt. equaled..gal. .78 - —
l.c.l., same basis.....lb. .80 - —
imported, pale, dms.....gal. .65 - .86½
dark, dms.....gal. .60 - .70
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls. .....lb. .45 - —
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works...100 lbs. 2.50 - —
l.c.l., bbls., works...100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade .....lb. .12½- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .11¾- .12¼
Laurent's, bbls.....lb. .45 - —
Levulinic, 5lb. bots., works.lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1060- .1100
extra white, dist., dms....lb. .12½- .13
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys....lb. .06¾- —
6-lb. bots.....lb. .15¾- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280, dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —

Acid, nitric, 38°, cbys., c.l., E. works..100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 6.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
71b. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Perilla, dist., dms.....lb. .14 - .14¼
Phenylacetic, bots. .....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.65
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices.
tech., bbls., works.....lb. No prices.
Soybean oil, dist., dms.....lb. .09 - .09¼
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
96°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06½- —
9-lb. bots. .....lb. .16¼- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.16.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .98 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .27¼- —
smaller quantities.....lb. .27¾- —
kgs. .....lb. .28¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. 2.60 - 2.85
tech., kgs., works.....lb. 1.65 - 1.75
Aconite, leaves, bls.....lb. .25 - .30
Root, bls.....lb. .28 - .30
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .85 - .90
2, bls. .....lb. .80 - .85
3, bls. .....lb. .63 - .65
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis. lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs.....lb. .52 - .60
Egg, ed., dom., cryst., bbls., lb. .76 - .78
dom., pwd., dms., bbls., lb. .81 - .83
import, cs.....lb. .76 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .116 - —
l.c.l., frt. alld.....lb. .126 - —
tanks, frt. alld.....lb. .100 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —

Alcohol, butyl, normal, dms., c.l., frt. alld..lb. .09¾- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .09¼- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07¼- —
tanks, same terms.....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100 lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots. .....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .34 - —
l.c.l., works, dms.....gal. .38 - —
tanks, E., works.....gal. .26 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .31 - —
10 bbls., E. works...gal. .33 - —
gal. .36 - —
gal. .35 - —
dms., c.l., E. works....gal. .30 - —
10 dms., E. works...gal. .32 - —
1 to 18 dms., E. works, gal. .35 - —
tanks, E. works.....gal. .24 - —
Anhydrous, 5c. per gal. higher.
SD23-G, works, E., dms.gal. .34½- —
19 dms.....gal. .36½- —
1 to 18 dms.....gal. .39½- —
tanks .....gal. .28½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E., works..gal. .31 - —
20 dms., E. works...gal. .33 - —
1 to 19 dms., E. works, gal. .36 - —
tanks, E. works.....gal. .25 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .12 - —
tanks, dlvd. .....lb. .10¼- —
tech., contract, dms., c.l., frt. alld..lb. .10¼- —
l.c.l., frt. alld.....lb. .11 - —
tanks, dlvd. .....lb. .09¼- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.57½- —
19 bbls.....gal. 4.60½- —
1 to 18 bbls.....gal. 4.62½- —
dms., c.l.....gal. 4.66½- —
19 dms.....gal. 4.68½- —
1 to 18 dms.....gal. 4.61½- —
tanks .....gal. 4.50½- —
absolute, dms, c.l.....gal. 4.89 - —
19 dms.....gal. 4.91 - —
1 to 18 dms.....gal. 4.94 - —

Grain alcohol 25c. per gal. higher.

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07¼- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest..gal. .33½- —
l.c.l., same basis.....gal. .38½- —
tanks, same basis.....gal. .28½- —
99%, dms., c.l., same terms, gal. .36 - —
l.c.l., same terms....gal. .41 - —
tanks, same terms.....gal. .31 - —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 3.35
Propyl (see Isopropyl)
Propyl, normal, dms., works, gal. .70 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .73
Aldehyde bisulphite bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 55% and 110 gal. dms., dlvd..lb. .20 - —
5 and 10 gal. dms., dlvd....lb. .22 - —
Aletris root, bgs.....lb. .40 - .42
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .11 - .12
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .20 - .22
Curacao, cs.....lb. .42 - .43
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.65 - 2.80
100-lb. kgs.....lb. 2.67 - 2.82
25-lb. fib. dms.....lb. 2.74 - 2.89
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bbls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y. Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila...100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - —
dlvd. N. Y., Phila...100 lbs. 3.55 - —
powd., bbls., works...100 lbs. 3.55 - —
dlvd., N. Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse

Alum, Ammon.—Arecoline

Alum, ammonia (cont.):—
deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works..	100 lbs.	3.40 -	3.65
dlvd. N.Y., Phila..	100 lbs.	3.40 -	—
lump, bbls., works....	100 lbs.	3.65 -	3.90
dlvd. N.Y. Phila..	100 lbs.	3.65 -	—
powd., bbls., works....	100 lbs.	3.90 -	4.05
dlvd. N.Y., Phila..	100 lbs.	3.80 -	—

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....	lb.	.06¼-	.06½
*oda, bbls., c.l., works..	100 lbs.	3.25 -	—
l.c.l., dlvd.....	100 lbs.	4.25 -	5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..	lb.	.07½-	—
l.c.l., dlvd.....	lb.	.09 -	—
22%, basic solut., bbls., c.l., dlvd..	lb.	.10 -	—
l.c.l., dlvd.....	lb.	.12 -	—
basic powd., bbls., dlvd.....	lb.	.40 -	—
smaller containers, dlvd.	lb.	.50 -	—
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..	lb.	.06 -	—
12,000 to 40,000 lbs, works..	lb.	.07 -	—
1,100 to 11,000 lbs., works.	lb.	.08 -	—
140 to 875 lbs., works.	lb.	.09 -	—
100 lbs., or less, works.	lb.	.10 -	—
cryst., com'l, dms., c.l., works	lb.	.06 -	—
l.c.l., dms., works.....	lb.	.06½-	—
Alumina, chlor., solution, 32 deg., cbys., c.l., works..	lb.	.2¾-	—
c.l., cbys., works.....	lb.	.03½-	—
Formate, 30% solut., bbls., c.l., dlvd..	lb.	.13 -	—
l.c.l., dlvd.....	lb.	.15 -	—
Hydrate, heavy, bbls., c.l., works..	lb.	.0290-	—
l.c.l., bbls.....	lb.	.03½-	—
bgs., c.l.....	lb.	.0260-	—
light, bbls., dlvd.....	lb.	.12 -	—
Oleate, dms., contr.....	lb.	.16¾-	—
open order.....	lb.	.17½-	.18½
Palmitate, precip., bbls.....	lb.	.23 -	—
Resinate, precip., dms., dlvd.	lb.	.15 -	—
Stearate, precip., bbls., ctns., c.l..	lb.	.19 -	—
l.c.l., ton.....	lb.	.20 -	—
less than ton.....	lb.	.21 -	—
Sulphate, com'l, bgs., c.l. works, frt. equaled.	100 lbs.	1.15 -	—
l.c.l., works, frt. equald..	100 lbs.	1.40 -	—
bbls., c.l., works, frt. equald.	100 lbs.	1.35 -	—
l.c.l., works, frt. equald.	100 lbs.	1.60 -	—
iron-free, bgs., c.l., works...	100 lbs.	1.30 -	—
l.c.l., works....	100 lbs.	1.55 -	—
bbls., c.l., works....	100 lbs.	1.50 -	—
l.c.l., works.....	100 lbs.	1.75 -	—
Aluminum, 98-99%, c. l.....	lb.	.20 -	—
l.c.l.	lb.	.21 -	—
paste, lining, extra fine, dms.,	1,500 lbs..	lb.	.65 -	—
ink, dms.,	1,500 lbs..	lb.	.75 -	—
standard, dms.,	1,500 lbs..	lb.	.48 -	—
powder, lining, extra fine, dms.,	1,500 lbs..	lb.	.92 -	—
standard, dms.,	1,500 lbs.	lb.	.57 -	—
Aluminum, powd., litho, extra brilliant, dms.,	1,500 lbs..	lb.	.43 -	—
extra fine, dms.,	1,500 lbs.	lb.	.47 -	—
lining, dms.,	1,500 lbs....	lb.	.57 -	—
standard, dms.,	1500 lbs..	lb.	.42 -	—
rubber compound, dms.,	1,500 lbs..	lb.	.40 -	—
unpolished, dms.,	1,500 lbs.	lb.	.37 -	—
varnish, extra brilliant, dms.,	1,500 lbs..	lb.	.43 -	—
extra fine, dms.,	1,500 lbs.	lb.	.47 -	—
standard, dms.,	1,500 lbs.	lb.	.42 -	—

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs., for partial shipments on contracts, prices are 5c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....	oz.	17.00 -	36.00
Aminopyrine, fib., dms., 100 lbs.	lb.	4.00 -	—
bots., 5 lbs.	lb.	4.22 -	4.26
Ammonia, acetate, bbls., kgs., dlvd..	lb.	.27 -	.33
dms., dlvd.....	lb.	.23 -	.26
Aldehyde, dms.....	lb.	.65 -	.70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..	lb.	.04½-	—
refrigeration, tanks, works..	lb.	.05 -	—
Ammonia, anhydrous, pure, cyls., dlvd., met. N. Y..	lb.	.16 -	.22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

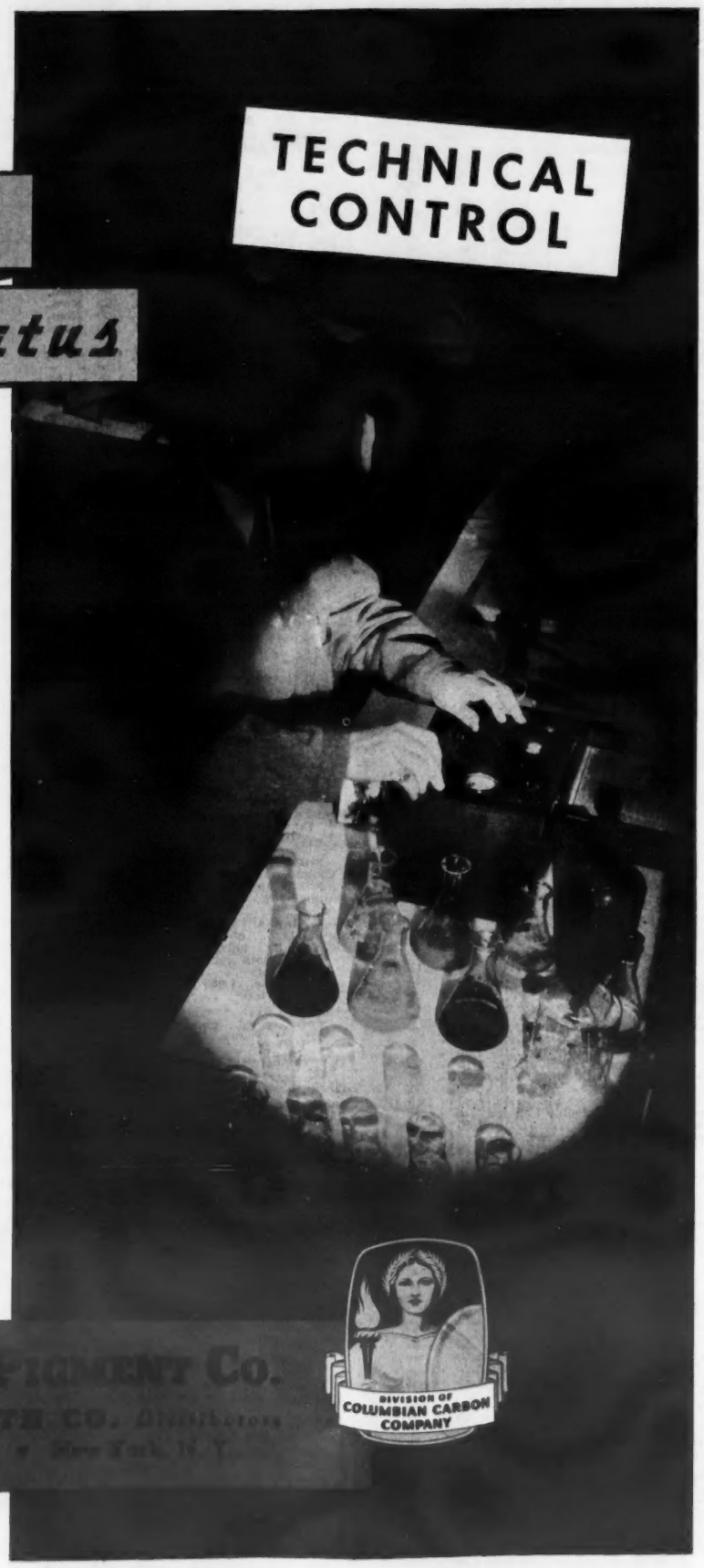
Aqua, 26°, cbys.....	lb.	.05 -	—
dms., c.l.....	lb.	.02 -	—
l.c.l	lb.	.02¼-	—
tanks (on NH_3 content), dlvd., E..	lb.	.05 -	.05½
Benzoate, dms., 4,000 lbs. or more..	lb.	.41 -	.42
1,000 lbs. to 3,900 lbs....	lb.	.42 -	.43
900 lbs. or less.....	lb.	.43 -	.46
kgs., 4,000 lbs. or more....	lb.	.40 -	—
1,000 lbs., to 3,900 lbs....	lb.	.41 -	—
900 lbs. or less.....	lb.	.44 -	—
Bicarbonate, bbls., c.l., works..	100 lbs.	5.15 -	—
l.c.l., dlvd. N. Y....	100 lbs.	5.71 -	—
Bichromate, bbls.....	lb.	.32 -	—
Bifluoride, bbls.....	lb.	.14½-	.16½
Borate, bbls., kgs.....	lb.	.15 -	.16
Bromide, gran., bbls.....	lb.	.35 -	—
bxs.	lb.	.38 -	.39
kgs.	lb.	.36 -	—
Carbonate, tech., dom., bbls.	lb.	.08 -	.12½
imported, csks.	lb.	.08 -	.12½
USP, lump, dms.....	lb.	.08 -	.17
powd., bbls., dms.....	lb.	.09 -	.25
Chloride, tech. (see Ammoniac, sal).			
USP, gran., 225 lb. bbls....	lb.	.12 -	.13
100 lb. kgs.	lb.	.15 -	—
Citrate, dms.....	lb.	.80 -	—
cns.	lb.	.85 -	—
Fluoride, bbls.....	lb.	.17 -	.19
Hydroxide, (see Ammonia, aqua),			
Hypophosphite, fib., dms....	lb.	1.10 -	1.17
jars	lb.	1.20 -	—
Iodide, 5-lb. bots.....	lb.	3.52 -	—
jars	lb.	3.46 -	—
Laurate, bbls, ...	lb.	.23 -	—
Linoleate, 50%, anhyd., bbls.	lb.	.12 -	.15
Molybdate, kgs., wks.....	lb.	1.05 -	1.20
Naphthanate, bbls.	lb.	.17 -	—
Nitrate, tech., bgs., c.l., works.	100 lbs.	3.60 -	—
l.c.l., works.....	100 lbs.	3.85 -	—
bbls., c.l., works.....	100 lbs.	3.80 -	—
l.c.l., works.....	100 lbs.	4.05 -	—
Oleate, dms.....	lb.	.14 -	.15
Oxalate, neutral, cryst., powd., bbls., kgs..	lb.	.19 -	.20
Perchlorate, kegs.....	lb.	.16 -	—
Persulphate, kgs.....	lb.	.21 -	.22
Phosphate, dibasic, N.F.V., bls.,	lb.	.27 -	—
kgs.	lb.	.30 -	—
tech., bbls., c.l.	lb.	.07½-	—
l.c.l.	lb.	.09 -	.10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works..	unit-ton.	1.20 &	.70
pure, bbls.	lb.	.40 -	.44
tech., bbls., c.l.	lb.	.07½-	—
l.c.l.	lb.	.09 -	.10
Ricinoleate, bbls.	lb.	.13 -	—
Salicylate, U.S.P., kgs.....	lb.	1.15 -	1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..	lb.	.09 -	—
5 bbls., same basis.....	lb.	.08½-	—
Stearate, anhydrous.....	lb.	.22 -	—
paste	lb.	.07 -	—
Sulphate, dom., bulk, c.l., f.o.b. November shipt....	ton.	27.50 -	—
December shipt....	ton.	27.75 -	—
Jan.-June, 1939 shipt..	ton.	28.00 -	—

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 35-40%, basis 100%, dms,, works..	lb.	.12 -	.13
tanks, delvd.	lb.	.11 -	—
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....	lb.	.14 -	—
smaller lots, works.....	lb.	.16 -	—
pure, 99-100%, kgs.	lb.	.55 -	—
Ammoniac, gum (see Gum, ammoniac).			
Sal, gray, dom,, bbls., c.l.,	100 lbs.	5.50 -	5.75
l.c.l.	100 lbs.	6.00 -	6.75
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l.	100 lbs.	4.90 -	5.05
import, csks.	100 lbs.	4.90 -	5.05
Amyl acetate, ex fusel oil, dms., c.l., dlvd..	lb.	.10½-	—
l.c.l., dlvd.....	lb.	.11 -	—
tanks, dlvd.....	lb.	.09½-	—
cns., works.....	lb.	.15 -	.17
ex pentane, dms., frt. alld.	lb.	.11 -	—
l.c.l., frt., alld.....	lb.	.12 -	—
tanks, frt., alld.....	lb.	.10 -	—
Alcohol (see Alcohol amyl).			
Butyrate, dms., 50 gal., returnable..	lb.	.75 -	—
Caproate, cns.....	lb.	2.75 -	—
Chloride, normal, dms., works,	lb.	.56 -	—
small lots, works.....	lb.	.66 -	—
mixed, tech., dms., c.l., works..	lb.	.07 -	—
l.c.l., works.....	lb.	.077 -	—
tanks, works.....	lb.	.06 -	—
Cinnamic aldehyde, cns.....	lb.	2.00 -	2.25
Nitrite, bots.....	lb.	1.80 -	1.85
Mercaptan, dms., l.c.l., works.	lb.	1.10 -	—
Oleate, dms., l.c.l., works...	lb.	.25 -	—
Salicylate, bots., 5 lbs.....	lb.	.61 -	—
cns., 25 lbs.....	lb.	.51 -	—
Stearate, dms., l.c.l., works..	lb.	.26 -	—
Amylene, dms., c.l., works....	lb.	.102 -	—
l.c.l., works.....	lb.	.11 -	—
tanks, works.....	lb.	.09 -	—
Anethol, bots.	lb.	1.00 -	1.05
Angelica root, dom., bls.....	lb.	.18 -	.20
import, natural, bls.....	lb.	.20 -	.23
twisted, bls.....	lb.	.30 -	.40
Angostura bark, bls.....	lb.	.30 -	.31
Anilin oil, dms., c.l.....	lb.	.15 -	—
l.c.l.	lb.	.16 -	—
tanks	lb.	.14½-	—
Salt, dms., works.....	lb.	.22 -	.24
Anise, Spanish, bgs.....	lb.	.16½-	.17
Star, bgs.	lb.	.12¾-	.13¼
Anisic aldehyde, bots.....	lb.	3.00 -	3.10
Annatto paste, bxs.....	lb.	.34 -	.39
seed, bgs	lb.	.07½-	.08
Anthracene, 80-85%, wks.....	lb.	.40 -	—
Anthraquinone, 99.5%, subl., bbls.,	lb.	.65 -	—
Antimony butter (see Antimony chloride)			
Chloride, solut., cbys.....	lb.	.17 -	—
Metal, spot.....	lb.	.12¼-	—
Needle, powd., ton lots, bulk,	lb.	.12½-	—
bbls.	lb.	.13½-	—
Oxide, bbls., c.l.....	lb.	.11½-	—
l.c.l.	lb.	.12¾-	—
Salts, 65%, kgs.....	lb.	.26 -	.27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..	lb.	.11½-	.14¼
Antipyrene, bbls., kgs., ton lots,	lb.	2.00 -	—
smaller lots.....	lb.	2.10 -	2.15
Apomorphine, bots.....	oz.	28.20 -	28.70
Archil extract, con., bbls.....	lb.	.21 -	.27
double, bbls.....	lb.	.18 -	.20
triple, bbls.....	lb.	.18 -	.20
Areca nuts, powd., bbls.....	lb.	.11 -	.13
Arecoline hydrobromide, bots..	oz.	4.35 -	4.50

Modern Apparatus

TECHNICAL CONTROL



Much of the popularity of Mapico Colors is due to their chemical stability. They do not react with nor are they reacted upon by other materials used in the manufacture of paint. The most modern technical control methods are used to maintain this highly desirable characteristic.

Technical inquiry is invited.

MAPICO COLORS

Pure Oxides of Iron

YELLOWS • BROWNS
REDS • BLACK

DIVISION OF COLUMBIAN CARBON COMPANY

Argols, test 70% to 85% basis 100%, 100 kgm., purity, 100 kilos.32.00 -34.00
Arnica flowers, bls.....lb. .29 - .30
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .06 - .06½
bbls. .....lb. .06½- .09
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars .....lb. 5.20 - —
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs.....lb. .23 - .24
powd., bbls., bxs.....lb. .37 - .38
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (20 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (20 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (20 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (20 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (20 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (20 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .06½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
cns. .....oz. 2.75 - 2.80

B

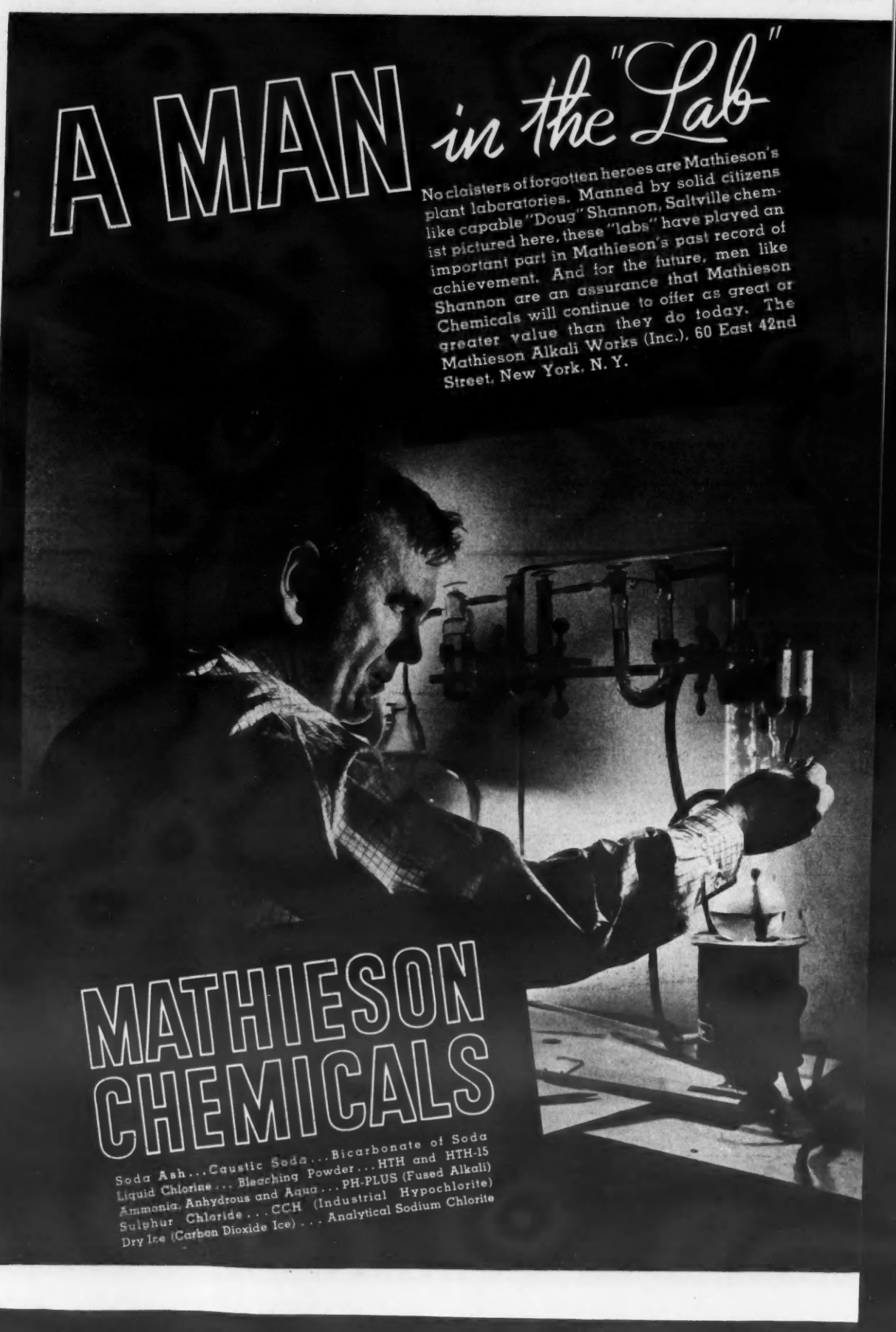
Balm of Gilead buds, bgs....lb. .25 - .28
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 2.25 - 2.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton.41.00 -43.00
99% thru, 200, mesh bgs., c.l., works..ton.43.00 -45.00
precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. & S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton.87.00- —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
bbls., l.c.l., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. 11½- .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots.....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09¼- .10
bxs.....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Barytes, dom., bgs., l.c.l., ex whse., Chicago..ton.30.25 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City .....ton.30.93 - —
Los Angeles .....ton.42.00 - —
New York .....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .13 - .17
Root, bls.....lb. .12 - .14
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .96
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzoi, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol, tankcars, W. coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, dms.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb 1.95
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .94 - —
dms. .....lb. .89 - —
Benzyl chloride, 95.97%, refd., dms..lb. .30 - .40
tech., dms. .....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 3.00
Berberine bisulphate, cns.....lb.16.75 -
Hydrochloride, cns.....lb.16.75 -
Sulphate, cns.....lb.16.75 -
Berberis root, bls.....lb. .14 - .15
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works...lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .20
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 -
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 -
cns., kgs.....lb. 2.95
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib., dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.62 - 1.88
fib. dms.....lb. 1.53 - 1.56
X-ray, 5-lb. bots.....lb 2.42
fib. dms .....lb 2.86
Subgallate, bots., cns.....lb. 1.67 - 1.93
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib., dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns. lb. 1.42 - 1.68
fib. dms.....lb. 1.38 - 1.36
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.30
Sulphocarbolate, 5-lb. bots....lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16¼- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E..lb. .05½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .00 - —
l.c.l., frt. alld. E.....lb. .00¼- —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10¼- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¼
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd. .....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
Black, carbon, standard, bgs., 20,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04½- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls....lb. .22 - .25
Tree bark, bls.....lb. .14 - .15
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l...ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 65%%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.90 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.90 - 3.00
import, bgs., c.i.f. ports, shipt., unit-ton. 3.00 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .13 - .14
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ¼c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper pnthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.80 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .14 - —
2, bbls, same basis.....lb. .18 - —
3, bbls., same basis.....lb. .19 - —
4, bbls., same basis.....lb. .20 - —
5, bbls., same basis.....lb. .23 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis..lb. .24 - —
C, bbls., same basis..lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .28 - —
B, bbls., same basis..lb. .23 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 3c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.50 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.65 - —
6-15 bbls., same basis, 100 lbs. 4.75 - —
1-5 bbls., same basis.....100 lbs. 5.00 - —
Monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.00 - 9.25
l.c.l. dealers.....100 lbs.10.00 -10.25
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -29.00
c.i.f. Atlantic ports.....ton.28.50 - —
import, bgs., c.i.f., ports.ton.28.00 - —
meal, steamed, dom., 2% ammon. 50% phos., bgs., f.o.b. Chicago..ton.24.00 -26.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.22.00 - —
phosphate, precip., see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -21.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.00 - —
Borage flowers, bls. .....lb. .20 - .21
Borax, tech., 99¼%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.68.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11¼- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromotyrol, bots.....lb. 3.25 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .80
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .10 - .11
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12½- —
Group 2, bbls., same basis, lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .08½- —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06½- —
11, bbls., same basis..lb. .06¼- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05¼- —
raw, American, bbls., works, lb. .02½- —
Italian, Group 1, bbls., f.o.b., N. Y. or works...lb. .12½- —
Group 2, bbls., same basis, lb. .10½- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07½- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .35 - .37
Buckthorn bark, true, bls.....lb. .05 - .06½
Berries, bgs. .....lb. .17 - .18
Burdock root, bls. .....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .03¼- .03¾
Butanes, coml., 16-24°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt. alld..lb. .10 - —
tanks, contract, frt. alld..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .32 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Ether (see under Ether).
Acetate, dms. .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. .32 - —
Butyric ether, bots.....gal. 6.60 - 6.90
cns., works .....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

Argols—Butyric Ether

Cadmium—China Clay

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 4.21 - —
25-lb. cns.....lb. 3.97 - —
Lithopone (see Yellow)
Metal, cs.....lb. .95 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs....lb. .40 - .41
peeled, bls.....lb. .12 - .14
Calcium acetate, bgs.,divd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms.. lb. .06½- .06¾
Southern cotton states, bgs., lb. .06¼- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-80%. bgs., dms., c.l., divd.ton.22.00 -35.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., divd..ton.20.00 -33.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.65 - 3.90
Lactate, U.S.P..bbls., 200 lbs.lb. .22 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessel, No. Atlantic ports, or f.o.b. cars, So. Atlantic ports ton.28.00 - —
Palmitate, bbls.....lb. .22 .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.i.f. Atlantic ports, shipt..unit-ton. .78 - —
tribasic, c.l., bbls., works..lb. .06¼- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton.lb. .12 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 75%, CaS, works, bulk, c.l., 25-mesh..ton.42.50 - —
bags, bulk, c.l., works.ton.45.00 - —
l.c.l., works .....ton.47.50 -50.00
75%, CaS, works, bulk, c.l., 50-mesh..ton.43.50 - —
bags, bulk, c.l., works..ton.46.00 - —
l.c.l., works .....ton.48.50 -51.00
80%, CaS, works, bulk, c.l., 25-mesh..ton.47.50 - —
bags, bulk, c.l., works...ton.50.00 - —
l.c.l., works .....ton.52.50 -55.00
80%, CaS, works, bulk, c.l., 50-mesh..ton.48.50 - —
bags, bulk, c.l., works...ton.51.00 - —
l.c.l., works .....ton.53.50 -56.00
luminous, dom., tins, works, 100 lbs. .85 - —
Sulphocarbolate,bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .30 - .35
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .52 - .52½
slabs, cs.....lb. .52 - .52½
tablets, tins .....lb. .57 - .57½
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots lb. .46 - —
1,000-lb. lots.....lb. .47 - —
500-lb. lots.....lb. .48 - —
100-lb. lots.....lb. .49 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .04¼- .04½
Morocco, bgs. .....lb. .0430- .0460
Turkish, bgs.....lb. .04¾- .04¾
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs. .....lb. .90 - .95
powd., bxs. .....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .09 - .09½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .83 - —
l.c.l., works.....lb. .94 - —
tanks, works.....lb. .83 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04¼- —
Carbon dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R., and incl. Ia., Ky., Minn., Mo., N. C., Tenn., Va...lb. .05 - —
l.c.l., same basis.....lb. .05½- —
10-gal. dms., c.l. (20 tons), same basis..lb. .06¾- .07¼
l.c.l., same basis.....lb. .07¾- .08¼
5-gal. dms., c.l. (20 tons), same basis..lb. .06¾- .07¼
l.c.l., same basis.....lb. .07¾- .08¼
tanks, same basis.....lb. .04¾- —
Fire extinguisher liquid, 1¼c. lb. higher.
Carbon tetrachloride prices are ½c. per lb. higher frt. alld. in S.E. and Central States; 1c. per lb. higher frt. alld. in Rocky Mts. and S. W. States; prices in Pacific Coast States are 1¼c. per lb. higher, f.o.b. Coast shipping points.
Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs.....lb. .80 - .82
green, bgs.....lb. .51 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .11 - .12
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., divd..lb. .08 - —
5 tons, works.....lb. .10 - —
smaller lots, works.....lb. .11 - —
80-100 mesh, bgs., c.l., divd., lb. .08½- —
5 tons, works.....lb. .10½- —
smaller lots, works.....lb. .11½- —
Casein, import., Argent., 20-30 mesh, bgs., c.l., duty paid .....lb. .09½- —
80-100 mesh, bgs., c.l., duty paid..lb. .10 - —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .15¾- .16
broken, bls. .....lb. .10 - .10½
shortstick, bls.....lb. .12½- .12¾
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .11 - .11½
Saigon, bls.....lb. .15 - .16
Cassia, buds, cs.....lb. .16½- .17
Cassia fistula, bskts.....lb. .08 - .09
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls. .....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots. .....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls. .....lb. .17 - .18
Celery seed, French, bgs.....lb. .13½- .14
Indian, bgs.....lb. .11¾- .12
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .58 - —
smaller lots, works.....lb. .65 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Triacetate, 50,000 to 99,000 lbs. lb. .50 - —
20,000 to 49,999 lbs.....lb. .55 - —
10,000 to 19,999 lbs.....lb. .60 - —
2,000 to 9,999 lbs.....lb. .65 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .19 - .20
Roman, bls.....lb. .30 - .33
Charcoal, softwood, powd., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Cole. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls. .....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l. wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50
l.c.l., works.....ton.10.00 -16.00


A MAN in the "Lab"
No cloisters of forgotten heroes are Mathieson's plant laboratories. Manned by solid citizens like capable "Doug" Shannon, Saltville chemist pictured here, these "labs" have played an important part in Mathieson's past record of achievement. And for the future, men like Shannon are an assurance that Mathieson Chemicals will continue to offer as great or greater value than they do today. The Mathieson Alkali Works (Inc.), 60 East 42nd Street, New York, N. Y.
MATHIESON CHEMICALS
Soda Ash...Caustic Soda...Bicarbonate of Soda
Liquid Chlorine...Bleaching Powder...HTH and HTH-15
Ammonia, Anhydrous and Aqua...PH-PLUS (Fused Alkali)
Sulphur Chloride...CCH (Industrial Hypochlorite)
Dry Ice (Carbon Dioxide Ice)...Analytical Sodium Chlorite

China clay, dom., dry-gr., 99.75, 300 mesh, bulk, c.l., works ..... ton. 7.0 - —
200 mesh, bgs., c.l., works..ton. 8.50 -
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock. ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .96
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.03
dms., 1,000 lbs.....lb. .89 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, bgs., c.l. (30,000 lbs. min.) works.....lb. .35 - —
2,000 lbs., works.....lb. .37 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y...lb. .05½- —
contracts, dlvd., N.Y.....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equaled..100 lbs. 2.15 - —
tanks, multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
2, works, frt. equaled.100 lbs. 2.55 - —
1, works, frt. equald..... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .85 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 5% cs.. bbls.....lb. .05 - .06
Chrome, cake, bulk, c.l., works. ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms..100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .17 - .18
long, cs. .....lb. .45 - .50
short, bgs. .....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs. .87 - —
powd., cns.....100 ozs...oz. .80 - —
Sulphate, N.F., cns..100 ozs...oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs...oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c.. cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .15 - .15½
3, bls. .....lb. .14½- .15
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.65
Clove, Madagascar, bls.....lb. .15½- .15¾
Zanzibar, bls.....lb. .16½ Nom.
Clover tops, bgs.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
Coaltar, refd., bbls., c.l., works, bbl. 8.00- 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .65 - .67
Carbonate, tech., bbls., dlvd.lb. 1.68 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls. .....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .24 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .15 - .16
Cocoa butter, lump, bgs., c.l..lb. .11¾- .12
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.20.00 - —
single ozs.....oz.21.00 - —
Colchicum seed, bgs.....lb. .35 - .37
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .30
Colombo root, bls.....lb. .09 - .10
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns.....lb. .22½- .23
S.A., USP, cns.....lb. .23½- .24
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .28 - —
Carbonate, 52-54 pc., bbls...lb. .14½- .15½
20%, bbls. .....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .13 - .14
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots. .....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .11¼- —
Nitrate, cryst., bbls.....lb.16.60 -17.40
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works. lb. .16%- .17¾
red, com'l, 50-75%, kgs., f.o.b. N.Y..lb. .16%- .17¾
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.19.00 - —
Copperas, bbls., l.c.l., 25 or over, works..100 lbs. 1.45 - —
5-24, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0175 Nom.
Coriander seed, Morocco, bgs..lb. .0440- .0470
bleached, bgs. .....lb. .07¾- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 2.95 - —
ex whse.....100 lbs. 3.05 - —
Syrup, 42°, bbls., c.l....100 lbs. 2.89 - —
43° bbls., c.l.....100 lbs. 2.94 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more..lb. 1.13 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .20 - .22
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .14 - .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .22¾- —
smaller lots, bbls.....lb. .23¼- —
kgs. .....lb. .23¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar solution, tanks, works. gal. .122 - .132
refd., bbls., l.c.l., works, gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10½- —
l.c.l., same basis.....lb. .11 - —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .25 - .26
2,000 lbs. to 10,000 lbs..lb. .26 - .27
1,000 lbs. to 2,000 lbs..lb. .27 - .28
200 lbs. to 1,000 lbs.....lb. .29 - .30
4% rotenone prices are 4c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .27 - .28
powd., cs. .....lb. .30 - .31
Culver's root, bls.....lb. .16 - .17
Cumin seed, Algerian, bgs....lb. .08¾- .09¼
Morocco, bgs. .....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¼- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —

D

Damiana leaves, bls.....lb. .14 - .15
Dandelion root, German, bls..lb. .13 - .14
Deertongue leaves, bls.....lb. .10 - .11
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .34 - .38
2,000 lbs., to 10,000 lbs..lb. .35 - .39
1,000 lbs. to 2,000 lbs. lb. .36 - .40
200 lbs. to 1,000 lbs..lb. .38 - .42
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, resinate, 75% rotenone, cns..lb.10.00 -11.00
30% rotenone, cns.....lb. 5.50 - 6.50
25% rotenone, bulk, cns....lb. 3.60 - 6.00
15% rotenone, bulk, cns..lb. 2.10 - 4.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.55 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.75 - —
Corn, canary, bgs., c.l., f.o.b., Chicago..100 lbs. 3.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.50 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.45 - —
Potato, import, bgs.....lb. .07¼- .08
Diacetone (see under Alcohol).
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .078 - —
Oxalate, dms., l.c.l., works..lb. .80 - —
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .52 - —
Dibutyl ether (see Ether, butyl).
Dibutyl phthalate, dms., c.l., dlvd..lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0321- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 92%, dms. .....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms. .....lb. .40 - —
Diethylenegiycol, dms., c.l., works, lb. .16 - —
l.c.l., works .....lb. .17 - —
Monobutylether, dms.. works..lb. .23 - .24
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Digitalis leaves, dms.....lb. .33 - .38
Diglycol laurate .....lb. .22 - —
Diglycol oleate, light, bbls.....lb. .20 - —
Diglycol stearate .....lb. .24 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .09 - .09½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
Dimethylanilin, dms., c.l.....lb. .26 - —
l.c.l., dms. .....lb. .27 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls, 99° min., lb. .18 - —
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidins, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs.. dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood, bark, Jamaica, bls., lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vls.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors) (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans..lb.13.50- —
1180 Sodium indigo disulphonate, cns..lb.13.50- —
Green:—
Fastgreen FCF, cns.....lb.27.50- —
686 Guinea green B., cns. lb.13.50- —
670 Light green SF, yellowish, cns..lb.17.50- —
Red:—
184 Amaranth, cns.....lb. 3.15- —
773 Erythrosin, cns.....lb.17.50- —
80 Ponceau 3R, cns.....lb. 6.00- —
Ponceau 5X, cns.....lb. 5.75- —
Orange:—
150 Orange I, cns.....lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns..lb. 3.50- —
Sunset yellow FCF, cns.lb. 3.15- —
640 Tartrazin, cns.....lb. 3.15- —
22 Yellow AB, cns.....lb. 2.65- —
61 Yellow OB, cns.....lb. 2.65- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct fast scarlet.....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B.....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

China Clay—Ergot

Dyes, coaltar, for stains (numbers are those of Colour Index scale)
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds in a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.35 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
78 Sudan II.....lb. 1.05 - —
256 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin.....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
800 Indulin.....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet .....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A .....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .37 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .95 - —
235 Resorcin dark brown R lb. .66 - —
234 Bismarck brown G..lb. .52 - —
392 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .60 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .43 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein 3B..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .38 - —
188 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .20 - .21
Egg albumen (see Albumen).
yolk, bbls.....lb. .67 - .69
Elder flowers, bright, bls.....lb. .21 - .23
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .25 - .26
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .11 - .12
Ephedrine, tins, 1,000 ozs....oz. 2.15 - —
tins, 100 ozs.....oz. 2.25 - —
Hydrochloride, tins, 1,000 ozs. oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Sulphate, cryst., 1,000 ozs...oz. 1.50 - —
tins, 10 0ozs.....oz. 1.60 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 -
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, ca., dms.....lb. 1.65 - 1.70

Eserine—Gypsum

Eserine, bots	oz.	42.00	- —
Salicylate, bots	oz.	33.00	-34.00
Sulphate, bots	oz.	30.00	- —
Ether, acetic (see Ethyl acetate)			
Butyl, dms., l.c.l., dlvd	lb.	.25	- —
cns.	lb.	.29	- .31
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs.,	lb.	.08	- —
Sulphuric, conc., dms., 120 lbs.,	lb.	.09	- —
cns., 27 lbs.	lb.	.14	- —
synth., dms., c.l., works	lb.	.08	- —
l.c.l., works	lb.	.09	- —
USP, anesthesia, dms., 27 lbs.	lb.	.26	- —
USP, 1880, dms.	lb.	.30	- .40
washed, dms.	lb.	.37	- .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld.	lb.	.06½	- —
l.c.l., frt. alld.	lb.	.07	- —
tanks, frt. alld.	lb.	.06¼	- —
99%, dms., c.l., frt. all	lb.	.07¼	- —
l.c.l., frt. alld.	lb.	.07¾	- —
tanks, frt. alld.	lb.	.06¼	- —
N. F., VI, 90%, dms., 400 lbs.	lb.	.06½	- —
cns., 35 lbs.	lb.	.13½	- —
Acetate, USP, VIII, 90%, dms., 400 lbs.	lb.	.07½	- —
cns., 35 lbs.	lb.	.12½	- —
Acetoacetate, dms., c.l., works,	lb.	.27½	- —
l.c.l., dms., works	lb.	.28	- —
Bromide, tech., dms.	lb.	.50	- .55
Caproate, cns.	lb.	1.00	- —
Chloride, dms.	lb.	.19	- .20
Cinnamate, cns.	lb.	3.20	- 4.00
Crotonate, 55 and 110 gal. dms., dlvd.	lb.	.23	- —
5 and 10 gal. dms., dlvd.	lb.	.36	- —
Formate, cns., dms.	lb.	.23	- .24
Iodide, bots.	lb.	5.01	- —
Lactate, 55-gal. dms., works.	lb.	.33½	- —
5-gal. dms., works	lb.	.37½	- —
Oxalate, dms., frt. alld.	lb.	.25	- —
Silicate, l.c.l., dms., works	lb.	.77	- —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld.	lb.	.48	- —
contracts, frt. alld.	lb.	.47	- —
100 lbs., frt. alld.	lb.	.50	- —
smaller lots, works	lb.	.55	- —
Ethylene bromide, dms.	lb.	.65	- .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0545-	.06¼
West of Rockies, same basis.	lb.	.0595-	.06
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0644-	.06½
West of Rockies, same basis.	lb.	.0694-	.07
Ethyleneglycol, dms., c.l.	lb.	.16	- —
l.c.l.	lb.	.17	- .20
tanks	lb.	.15	- —
Monobutylether, dms., c.l., works	lb.	.18	- —
l.c.l., works	lb.	.19	- .22
tanks, works	lb.	.17	- —
Monoethylether, dms., c.l., works	lb.	.15	- —
l.c.l., works	lb.	.16	- —
tanks, works	lb.	.14	- —
Monoethylether, acetate, dms., c.l., works	lb.	.18	- —
l.c.l., dms.	lb.	.14	- —
tanks, works	lb.	.12	- —
Monomethylether, dms., c.l., works	lb.	.17	- —
l.c.l., works	lb.	.18	- —
tanks, works	lb.	.16	- —
Ethylidinanilin, dms.	lb.	.45	- .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.06½	- —
l.c.l., same terms	lb.	.07	- —
tanks, same terms	lb.	.05½	- —
Ethylorthoparatoluenesulphonamide, bbls.	lb.	.60	- —
Eucalyptol, cns., dms.	lb.	.55	- .57
Eucalyptus leaves, bls.	lb.	.08	- .09
bbls.	lb.	.55	- —
Ethylparatoluenesulphonamide,			
Eugenol, bgs., cns.	lb.	1.70	- 2.15
Euphorbia, bls.	lb.	.05	- .06

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00	-17.50
glass, 20 mesh, bulk, works.	ton.	9.75	-13.25
pottery, bulk, Me. works	ton.	17.00	-19.00
N.C. works	ton.	17.00	-19.00
Fennel seed, French type, bgs.,	lb.	.08	- .08½
Indian, bags	lb.	.07½	- .07¾
German large, bgs.	lb.	.18	- .19
small, bgs.	lb.	.13	- .14
Fenugreek seed, bgs.	lb.	.03¾	- .04¼
Ferric sulphate, dms., works.	ton.	35.00	-40.00
Film scrap, colors, dark, cs., 1,000 lbs., or over, works	lb.	.11	- —
smaller lots, works	lb.	.12	- —
light, cs., 1,000 lbs. or over, works	lb.	.12	- —
smaller lots, works	lb.	.13	- —
water white, cs., 1,000 lbs., or over, works	lb.	.13	- —
smaller lots, works	lb.	.14	- —
Fir balsam, Canada, cns.	gal.	11.00	-11.50
Oregon, bbls.	gal.	1.05	- 1.10
Fish berries, bgs.	lb.	.08	- .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	No prices.	
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Baito	ton.	50.00	- —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, So. Atlantic factories, contracts	unit-ton.	2.50 &	.50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt.	ton.	45.00	- —
Flake, white, bbls., kgs.	lb.	.10¼	- —
Flaxseed, French, black, bgs.	lb.	.14	- .14½
Indian, blonde, bgs.	lb.	.06¾	- .07
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines,	ton.	31.50	- —
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines.	ton.	19.00	-20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines.	ton.	20.00	-21.00
imported, 85% not over 5% duty paid.	ton.	28.50	-34.00
Formaldehyde, bbls., c.l., works,	lb.	.05¾	- —
l.c.l., works	lb.	.06¼	- —
dms., c.l., works	lb.	.05¼	- —
l.c.l., works	lb.	.05¾	- —
tanks, works	lb.	.04½	- —
Fringetree bark, bls.	lb.	.14	- .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00	- —
import, bgs., c.l., ex dock.	ton.	23.00	- —
l.c.l., ex whse.	ton.	30.00	- —
Furfural, refd., c.l., works,	lb.	.15	- —
l.c.l., works	lb.	.17½	- .25
tech., dms., contracts, 150,000 lbs.	lb.	.10	- —
c.l., works	lb.	.12½	- —
l.c.l., works	lb.	.15	- .20
tanks, works	lb.	.09	- —
Fusel oil, refd., dms., incl., dlvd.,	lb.	.12½	- .14
Fustic extract, cryst., bbls.	lb.	.22	- .26
liquid, bbls.	lb.	.09½	- .13
solid, dms.	lb.	.17½	- .19¼

G

G salt, bbls.	lb.	.45	- —
Galangal root, bls.	lb.	.09	- .10
Gall extract, bbls.	lb.	.19	- .20
Gambier, common, cases.	lb.	.06¾	- .07
plantation, cases.	lb.	.08¼	- .09
Cubes, Singapore, cases.	lb.	.08½	- .09
Extract, bbls.	lb.	.06½	- .09½
Gasoline at refinery:—			
Bayonne, US motor, below 65 octane, tanks.	gal.	.06½	- —
65 octane and above, tanks,	gal.	.06¼	- —
California, 54-58, tanks.	gal.	.06½	- .06¾
Gulf Coast, U. S. Motor, bulk,	gal.	.04¾	- .04¾
60-62, 350 e.p., bulk, export,	gal.	.04¾	- .04¾
60-62, 400 e.p., bulk, export,	gal.	.04¾	- .04¾
64-66, 375 e.p., bulk, export,	gal.	.04¾	- —
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.04¼	- .04½
63-66 octane, tanks.	gal.	.04½	- .04¾
67-69 octane, tanks.	gal.	.04¾	- .05
70-72 octane, tanks.	gal.	.05½	- .05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.04¼	- .04¾
third grade, tanks.	gal.	.04¼	- .04¾
63-65 octane, tanks.	gal.	.04	- —
67-69 octane, tanks.	gal.	.04¾	- —
70-72 octane, tanks.	gal.	.04¾	- .05¾
natural, 12-lb. v. p., tanks,	gal.	.06¼	- .06¾
14-lb. v.p., tanks	gal.	.03¾	- —
18-lb. v.p., tanks	gal.	.02¾	- .02¾
22-lb. v.p., tanks	gal.	.02¾	- —
26-70 lb., v.p., tanks	gal.	.03	- —
Pennsylvania, US motor, below 60 octane tanks.	gal.	.05	- —
65 octane, tanks.	gal.	.06½	- —
52-56 450 e.p., naphtha, tanks.	gal.	.04¾	- .05
Gelatin, silver, cs.	lb.	.45	- .50
Geoselmium root, bls.	lb.	.11	- .12
Gentian root, bls.	lb.	.07	- .07½
grd., bbls., bxs.	lb.	.09¼	- .10
powd., bbls., bxs.	lb.	.10¼	- .11
Geraniol, cns., dms.	lb.	.67	- 5.00
Geranyl acetate, bots., dms.	lb.	1.20	- 2.50
Ginger root, African, bgs.	lb.	.06½	- .07
Cochin, lemon, bgs.	lb.	.10¾	- .10¾
Jamaica, bold, bgs.	lb.	.15	- .15½
grinding, bright, bgs.	lb.	.11	- .11¼
medium, bold, bgs.	lb.	.11¾	- .12
Japanese, bgs.	lb.	.08¾	- .09
Ginseng fibers, cs.	lb.	1.75	- 5.00
Root, cultivated, cs.	lb.	10.00	-11.00
wild, Southern, cs.	lb.	6.00	- 7.00
Glauber's salt, anhyd. (see Soda sulphate)			
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95	- 1.15
5 tons or over, works.	100 lbs.	1.05	- 1.25
less than 5 tons, works.	100 lbs.	1.15	- 1.35
import., bgs.	100 lbs.	1.05	- 1.35
Glue, bone, caicimine type, 24 millipoises, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.13	- —
l.c.l., dlvd.	lb.	.13½	- —
38/58, bgs., c.l., dlvd.	lb.	.13½	- —
l.c.l., dlvd	lb.	.14	- —
58/82, bgs., c.l., dlvd.	lb.	.14½	- —
l.c.l., dlvd.	lb.	.15	- —
82/108, bgs., c.l., dlvd.	lb.	.15	- —
l.c.l., dlvd.	lb.	.15½	- —
hide, calcimine type, 85 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest.	lb.	.15	- —
l.c.l., same basis	lb.	.15½	- —
60/164, bgs., c.l., same basis,	lb.	.16½	- —
l.c.l., same basis	lb.	.17	- —
67/122, bgs, c.l., same basis,	lb.	.17½	- —
l.c.l., same basis	lb.	.18	- —
75/222, bgs., c.l., same basis,	lb.	.18½	- —
l.c.l., same basis	lb.	.19½	- —
83/251, bgs., c.l., same basis.	lb.	.19½	- —
l.c.l., same basis	lb.	.20½	- —
92/288, bgs., c.l., same basis.	lb.	.20½	- —
l.c.l., same basis	lb.	.21½	- —
102/315, bgs., c.l., same basis	lb.	.21	- —
l.c.l., same basis	lb.	.22	- —
118/347, bgs., c.l., same basis	lb.	.22	- —
l.c.l., same basis	lb.	.23	- —
126/379, bgs., c.l., same basis	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
Glue prices for barrel packing, ¼c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.			
Glycerin, C.P., cns., l.c.l.	lb.	.14½	- .15
dms., c.l., dlvd.	lb.	.12½	- —
l.c.l., dlvd	lb.	.13	- —
tanks, dlvd	lb.	.12¼	- —
dynamite, dms.	lb.	Nominal.	
high gravity, dms., c.l., dlvd.	lb.	.12	- —
l.c.l., dlvd	lb.	.12½	- —
tanks, dlvd	lb.	.11¾	- —
saponification, basis 88%, dms., returnable, dlvd.	lb.	.08½	- .08¾
soaplye, basis 80%, dms., returnable, dlvd.	lb.	.07¾	- .08
Glycol boriborate, dms.	lb.	.23	- —
Phthalate, dms.	lb.	.38	- —
Stearate, dms.	lb.	.25	- —
Gold, U.S. purchase price	oz.	35.00	- —
Chloride, acid brown, bots.	oz.	20.75	-21.00
yellow, bots.	oz.	18.75	-19.00
Gold-soda chloride, photo., bots.,	oz.	13.00	- —
U.S.P. IX, bots.	oz.	14.50	-14.75
Gold of pleasure seed, bgs.	lb.	.12	- .12½
Goldenseal root, bls.	lb.	2.95	- 3.10
powd., bxs.	lb.	3.15	- 3.25
Grains of paradise, bgs.	lb.	.45	- .65
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works.	lb.	.06	- —
bbls., c.l., works	lb.	.03½	- —
l.c.l., works	lb.	.06½	- —
powd., 90% 325 mesh, 65% graphitic carbon bgs., c.l., works.	lb.	.02½	- —
65% graphitic carbon., bbls., c.l., works.	lb.	.02¾	- —
l.c.l., works	lb.	.03¼	- —
80% graphitic, carbon, bgs., c.l., works.	lb.	.03½	- —
bbls., c.l., works	lb.	.03¾	- —
l.c.l., works	lb.	.04½	- —
Grease, house, trcs.	lb.	.04¾	- .04⅞
White, trcs.	lb.	.05½	- .06
Yellow, trcs.	lb.	.04¾	- .04⅞

Wool (see Adeps lanae and Degras).

Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.21	- —
Green, chrome, C.P., blue content 6-10%, bbls., same basis.	lb.	.22	- —
11-15%, bbls., same basis.	lb.	.23	- —
16-20%, bbls., same basis.	lb.	.23½	- —
21-25%, bbls., same basis.	lb.	.24	- —
26-30%, bbls., same basis.	lb.	.24½	- —
31-35%, bbls., same basis.	lb.	.25½	- —
36-40%, bbls., same basis.	lb.	.27	- —
41-45%, bbls., same basis.	lb.	.28½	- —
46-50%, bbls., same basis.	lb.	.30	- —
over 50%, bbls., same basis	lb.	.31	- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1½c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Chrome, reduced, C.P., color content up 5%, same basis.	lb.	.06	- —
6-10%, bbls., same basis.	lb.	.06¾	- —
11-13%, bbls., same basis.	lb.	.07¼	- —
14-16%, bbls., same basis.	lb.	.07½	- —
17-19%, bbls., same basis.	lb.	.07¾	- —
20-21%, bbls., same basis.	lb.	.08	- —
22-23%, bbls., same basis.	lb.	.08¼	- —
24-25%, bbls., same basis.	lb.	.08½	- —
26-27%, bbls., same basis.	lb.	.08¾	- —
28-29%, bbls., same basis.	lb.	.09¼	- —
30-31%, bbls., same basis.	lb.	.10	- —
32-33%, bbls., same basis.	lb.	.11¼	- —
34-35%, bbls., same basis.	lb.	.12¼	- —
36-40%, bbls., same basis.	lb.	.14¼	- —
41-45%, bbls., same basis.	lb.	.16¼	- —
46-50%, bbls., same basis.	lb.	.16¾	- —
51-55%, bbls., same basis.	lb.	.17¼	- —
56-60%, bbls., same basis.	lb.	.17¾	- —
61-65%, bbls., same basis.	lb.	.18¼	- —
66-70%, bbls., same basis.	lb.	.19¼	- —
71-75%, bbls., same basis.	lb.	.20¼	- —
Chrome oxide, dom., pure, bbls.	lb.	.22	- —
ceramic, light shades, bbls.	c.l., works.	lb.	.28 - —
l.c.l., works	lb.	.30	- —
standard grade, bbls., works.	lb.	.21	- .22
Chrome, tetrahydroxide, bbls.	lb.	.85	- —
Paris (see P).			
Tungstated, brilliant, kgs.	lb.	3.50	- —
emerald, kgs.	lb.	2.35	- —
Verdigris (see V).			
Green dyes are listed under Dyes.			
Grindelia robusta, bls.	lb.	.08	- .09
Guaiac resin, cs.	lb.	.27	- .28
strained, cs.	lb.	.90	- 1.00
Wood, bls.	lb.	.04	- .05
Guaiacol, liq., djns.	lb.	1.55	- 1.70
Carbonate, fib. dms., 25 lbs.	lb.	2.40	- 2.74
Guarana, powd., cs.	lb.	1.05	- 1.10
Gum, aloe (see A).			
Ammoniac, tears., cs.	lb.	.85	- .90
Arabic, amber sorts, cleaned, bgs.	lb.	.09½	- .09¾
white, sorts, 1, bgs.	lb.	.23	- .24
2, bgs.	lb.	.21	- .23
white, powd., bbls.	lb.	.12½	- .14
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Siam, cs.	lb.	1.40	- 1.60
Sumatra, cs.	lb.	.23	- .25
Camphor (see C).			
Chicle, prime, 33% moisture, bgs., ton lots.	lb.	.38	- .39
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran.	lb.	.34¾	- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.			
2, cloudy, white, bgs., c.l., same basis.	lb.	.26¾	- —
3, selected pale straw bold, bgs., c.l., same basis.	lb.	.17¼	- —
4, pale bold straw, bgs., c.l., same basis.	lb.	.18¼	- —
5, pale, straw bold, bgs., c.l., same basis.	lb.	.14¼	- —
6, pale amber bold, bgs., c.l., same basis.	lb.	.14¾	- —
7, pale, straw bold, bgs., c.l., same basis.	lb.	.12¾	- —
8, light amber bold, bgs., c.l., same basis.	lb.	.11¼	- —
9, medium light amber, bold, bgs., c.l., same basis.	lb.	.09	- —
10, rescraped hard amber bold, bgs., c.l., same basis,	lb.	.09¼	- —
11, hard dark amber bold, bgs., c.l., same basis.	lb.	.07½	- —
12, selected, bold sorts, bgs., c.l., same basis.	lb.	.06½	- —
13, dark sorts bold, bgs., c.l., same basis.	lb.	.05¾	- —
14, selected, fully scraped, ivory, bgs., c.l., same basis.	lb.	.17¼	- —
15, ordinary ivory sorts, bgs., c.l., same basis.	lb.	.06⅞	- —
16, inferior ivory sorts, bgs., c.l., same basis.	lb.	.05¾	- —
17, pale, fingers, bgs., c.l., same basis.	lb.	.14¼	- —
18, pale straw nubs, bgs., c.l., same basis.	lb.	.11¾	- —
19, pale straw nubs, bgs., c.l., same basis.	lb.	.11½	- —
20, hard dark amber nubs, bgs., c.l., same basis.	lb.	.08¼	- —
21, ordinary selected nubs, c.l., same basis.	lb.	.06⅞	- —
22, small mixed nubs, bgs., c.l., same basis.	lb.	.06½	- —
23, dark mixed nubs, bgs., c.l., same basis.	lb.	.06¼	- —
24, No. 1, ivory nubs, bgs., c.l., same basis.	lb.	.14¼	- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis.	lb.	.06¼	- —
26, pale, bold chips, bgs., c.l., same basis.	lb.	.06	- —
27, pale small chips, bgs., c.l., same basis.	lb.	.05¾	- —
28 pale dust, bgs., c.l., same basis.	lb.	.04¾	- —
East India, Batu, bold scraped, bgs., c.l., same basis.	lb.	.05¼	- —
unscraped, bgs., c.l., same basis.	lb.	.04	- —
chips, bgs., c.l., same basis,	lb.	.03¾	- —
dust, bgs., c.l., same basis.	lb.	.03¼	- —
nubs and chips, bgs., c.l., same basis.	lb.	.03¾	- —
black, bold, scraped, bgs., c.l., same basis.	lb.	.06⅝	- —
unscraped, bgs., c.l., same basis.	lb.	.05	- —
nubs and chips, bgs., c.l., same basis.	lb.	.05	- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.	lb.	.12¼	- —
chips, bgs., c.l., same basis.	lb.	.05⅜	- —
dust., bgs., c.l., same basis.	lb.	.03¼	- —
nubs, bgs., c.l., same basis.	lb.	.09¼	- —
Gum, copal, E.I., Singapore, Rasak, bold, bgs., c.l., same basis—	lb.	.14⅞	- —
chips, bgs., c.l., same basis,	lb.	.06½	- —
dust, bgs.,c.l.,same basis.	lb.	.03¼	- —
nubs, bgs., c.l., same basis,	lb.	.10¾	- —
Manila, Boeas, amber and dark, bskts., c.l., same basis.	lb.	.11½	- —
light, bskts., c.l., same basis.	lb.	.13¾	- —
Loba A, bskts., c.l., same basis.	lb.	.11¼	- —
B, bskts.,c.l.,same basis.	lb.	.10¼	- —
C, bskts., c.l., same basis.	lb.	.09¾	- —
CNE, bskts., c.l., same basis.	lb.	.06¾	- —
D, bskts., c.l., same basis,	lb.	.09¾	- —
DK, bskts., c.l., same basis,	lb.	.06	- —
DU, bskts., c.l., same basis,	lb.	.08¾	- —
dust, bskts.,c.l., same basis,	lb.	.05½	- —
Sambas and white split chips, bskts., c.l., same basis.	lb.	.14¾	- —
Singapore, dust., bskts., c.l., same basis.	lb.	.05½	- —
spirit-soluble, CBB, bskts., basis.	lb.	.08¾	- —
DBB, bskts., c.l., same basis.	lb.	.08¾	- —
MA, bskts., c.l., same basis,	lb.	.06½	- —
MB, bskts., c.l., same basis.	lb.	.06	- —
WS, bskts., c.l., same basis,	lb.	.08¾	- —
Philippine, Manila, amber sorts, bskts., c.l., same basis.	lb.	.06¾	- —
chips, pale, bskts., c.l., same basis.	lb.	.08½	- —
small, bskts., c.l., same basis.	lb.	.07¼	- —
extra pale sorts, bskts., c.l., same basis.	lb.	.08¾	- —
nubs, bskts., c.l., same basis.	lb.	.10¾	- —
pale, scraped, bskts., c.l., same basis.	lb.	.11¾	- —
seeds and dust, bskts., c.l., same basis.	lb.	.05¾	- —
Pontianak, bold, genuine, bgs., same basis.	lb.	.15¼	- —
mixed, bgs., c.l., same basis.	lb.	.14	- —
chips, bgs., c.l., same basis,	lb.	.08¾	- —
split, bgs., c.l., same basis.	lb.	.13¾	- —
nubs, bgs., c.l., same basis.	lb.	.11¾	- —
Dammar, Batavia, A, cs., c.l., same basis as copal.	lb.	.20¾	- —
A/D, cs., c.l., same basis.	lb.	.15	- —
A/E, cs., c.l., same basis.	lb.	.12¾	- —
B, cs., c.l., same basis.	lb.	.19¾	- —
C, cs, c.l., same basis.	lb.	.15¾	- —
D, cs., c.l., same basis.	lb.	.13¾	- —
dust., cs., c.l., same basis.	lb.	.06¾	- —
E, cs., c.l., same basis.	lb.	.07¾	- —
F, cs., c.l., same basis.	lb.	.07¼	- —
Singapore 1, cs., c.l., same basis.	lb.	.16	- —
2, cs., c.l., same basis.	lb.	.11¾	- —
3, cs., c.l., same basis.	lb.	.06¼	- —
chips, cs., c.l., same basis.	lb.	.10¾	- —
dust., cs., c.l., same basis.	lb.	.05¼	- —
seeds, cs., c.l., same basis.	lb.	.07¾	- —
Elemi, cns., c.l., same basis as copal.	lb.	.08¼	- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.,	lb.	.06¼	- .06½
less than 10,000 lbs., same basis.	lb.	.06½	- .07
dlvd., western N.Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l.	lb.	.06¾	- .07
l.c.l., same basis	lb.	.07	- .07½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l.	lb.	.07	- .07½
l.c.l., same basis	lb.	.07¼	- .07¾
Euphorbium, cs.	lb.	.22	- .23
Galbanum, cs.	lb.	.90	- .95
Gamboge, pipe, cs.	lb.	.60	- .65
powd., bbls.	lb.	.65	- .70
Ghatti, soluble, bgs.	lb.	.11	- .15
superior, bgs.	lb.	.09	- .11
Guaiac (see Guaiac resin)			
Karava, bbls., bxs., dms.	lb.	.14½	- .22
Kauri, brown, XXX, cs., c.l.,	lb.	.60	- —
BX, cs., c.l., same basis.	lb.	.38	- —
B1, cs., c.l., same basis.	lb.	.28	- —
B2, cs., c.l., same basis.	lb.	.24	- —
B3, cs., c.l., same basis.	lb.	.18½	- —
80% chips, cs., c.l., same basis.	lb.	.12½	- —
pale, XXX, cs., c.l., same basis.	lb.	.61	- —
1, cs., c.l., same basis.	lb.	.41	- —
2, cs., c.l., same basis.	lb.	.24	- —
3, cs., c.l., same basis.	lb.	.17¾	- —
Kino, tins.	lb.	2.60	- 2.75
Mastic, cs., c.l., same basis as copal.	lb.	.55	- .56
Myrrh, USP, cs.	lb.	.45	- .50
Olibanum, siftings, bls.	lb.	.07½	- .18
tears, cs.	lb.	.18	- .34
Opium (see O)			
Rosin (see R)			
Sandarac, cks., c.l., same basis as copal.	lb.	.19	- .20
Scammony, cs.	lb.	1.10	- 1.15
Senegal, picked, bgs.	lb.	.25	- .27
sorts, bgs.	lb.	.09¼	- .09¼
Talha, bgs.	lb.	.07½	- .08
Thus, bbls.	220 lbs.	14.00	-14.25
Tragacanth, Alleppo 1, cs.	lb.	2.65	- 2.70
2, cs.	lb.	2.35	- 2.40
3, cs.	lb.	2.30	- 2.35
4, cs.	lb.	2.25	- 2.30
5, cs.	lb.	2.20	- 2.25
flake, bgs.	lb.	.50	- 1.00
Yucca, bgs., c.l., same basis as copal.	lb.	.06½	- —
powd., bgs., c.l., same basis.	lb.	.04½	- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	21.15	- —
Medicine Lodge, Kans., frt. equald.	ton.	17.00	- —
New Brighton, N. Y., frt. equald.	ton.	27.15	- —
Southard, Okla., frt. equald.	ton.	17.00	- —
Sweetwater, Tex. frt. equald.	ton.	21.15	- —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	12.50	- —
Blue Rapids, Kans., frt. equald.	ton.	12.50	- —
New Brighton, N. Y., frt. equald.	ton.	15.70	- —
Southard, Okla., frt. equald.	ton.	12.50	- —
Sweetwater, Tex., frt. equald.	ton.	12.50	- —

Gypsum, stucco, paper bgs., c.l., f.o.b Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald..ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Hellotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .12 - .13
Helonias root bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼- —
tanks, works.....lb. .02½- —
Hempseed, Manchur, bgs.....lb. .05¾- .06
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½- .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .06½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .09 - .10
Hydrangea root, bls.....lb. .09 - .10
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03½- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs..lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals., gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.05
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.20 - 1.25
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 500-lb. dms.....100 lbs. 4.65 - 6.25
150-lb. dms .....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .73 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.90 - —
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, comi., kgs.....lb. .02¾- .06
Iron, oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Iron, pyrophosphate, pearls, cns., lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 99%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, U.S.P., cryst., bbls., 275 lbs..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..gal. .40 - —
l.c.l.....gal. .55 - —
tanks.....gal. .25 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .04 - .05

K

Kamala, tins.....lb. .28 - .29
Kaolin (see China clay).
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks,gal. .04¾- .05
Gulf ports, p.w., bulk, export, gal. .03¾- —
w.w., bulk..gal. .04 - —
Louisiana-Arkansas, 41-43 w.w., bulk..gal. .04¾- .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks.....gal. .04½- .04½
Pennsylvania, 45 w.w., tanks, gal. .04¾- —
46 w.w., tanks.....gal. .05 - —
47 w.w., tanks.....gal. .05½- —
Kerosene, tankwagon:—
Atlanta.....gal. .12 - —
Boston.....gal. .08 - —
Chicago.....gal. .10 - —
Cincinnati.....gal. .13 - —
Denver.....gal. .11½- —
Louisville.....gal. .10 - —
Minneapolis.....gal. .10¾ - —
New Orleans.....gal. .11 - —
New York.....gal. .08¾- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07 - .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 8.25 - 8.50
Middlewestern, trcs....100 lbs. 7.90 - 8.00
Neutral, trcs.....100 lbs. 8.75 - 9.00
Western, choice, trcs..100 lbs. 7.95 - 8.05
Compound, trcs.....100 lbs. 9.50 - 9.75
Larkspur seed, bgs.....lb. .32 - .35
Laurel berries, bls.....lb. .09 - .10
Leaves, Greek, bls.....lb. .04 - .04¾
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .40 - .45
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .11 - —
W. of Rockies.....lb. .11 - —
l.c.l., bgs., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11¼- —

Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.

Blue, basic sulphate, bbls., c.l., dlvd, E..lb. .06 - —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd., E.....lb. .06¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06½- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0785- —
other points.....lb. .0760- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
Red, dry, 97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0810- —
other points.....lb. .0785- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0835- —
other points.....lb. .0810- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
in oil, 95% min., 100-lb. kgs., lb. .12¾- —
Resinate, fused, 16%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .32 - .38
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots.....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc. lb. .07¼- —
other points.....lb. .07 - —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼- —
other points.....lb. .06 - —
l.c.l., dlvd., Ariz., etc...lb. .06½- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers, lb. .11¾- —
dealers.....lb. .09¾- —
painters.....lb. .10¾- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
Lecithin, 100%, edible, grade 4, dms., c.l., same basis.lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .34 - .35
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .09
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Oranda, Va.....ton. 7.00 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., f.o.b., Bellefonte, Pa...ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass. ....ton. 9.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Oranda, Va.....ton. 8.50 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Inland, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Lime, chemical, spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Oranda, Va.....ton. 9.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium)

Gypsum—Magnesia

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer. gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .16
Zone 4, tanks, dealers, wks., gal. .09 - —
dms., c.l. and l.c.l.....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10½- —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers.....gal. .07½- —
30-50 dms.....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 2.50
Linalyl acetate, cns., 25 lbs...lb. 1.85 - 2.25
Linden flowers, with leaves, bls.lb. .27 - .30
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton.28.50 -29.00
Meal, 34%, dom., bgs.....ton.41.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0685- —
dlvd., other points....lb. .0660- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07¼- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala., etc. lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd...lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.68 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd., E. or ex whse, Pac. Cst.....lb. .06¾- —
smaller lots, same basis, lb. .06¾- —
bbls., 20 tons, same basis, lb. .06¾- —
smaller lots, same basis, lb. .06¼- —
ordinary, bgs., 20 tons, same basis..lb. .04¼- —
smaller lots, same basis, lb. .04½- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis, lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .06¾- —
smaller lots, same basis, lb. .06¾- —
bbls., 20 tons, same basis, lb. .06¾- —
smaller lots, same basis, lb. .06¼- —
Liverwort leaves bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .40 - .45
Logwood extract, cryst., bbls..lb. .13 - .24
liquid, 51°, bbls.....lb. .09½- .11¼
solid, bxs.....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N.E., tins.....lb. 1.25 - 1.50
Lycopodium, cs.....lb. .95 - 1.00

M

Mace, Banda, cs.....lb. .51 - .52
Batavia, cs.....lb. .38 - .39
Siauw, 1, cs.....lb. .46½- .47
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l.....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l.....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l.....lb. .09¼- —
USP, Zone 1, bbls., c.l.....lb. .06¼- —
l.c.l.....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l.....lb. .10¼- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld. up to, but not exceeding 26c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including dlvd. store-door. Magnesia prices are f.o.b., Plymouth meeting house.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .32 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton.....lb. .20 - —
1,000-2,000 lbs. .....lb. .20 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt).

Magnesite—Oil, Gaultheria

Magnesite cal., dom., bgs....ton. 56.00 -60.00
import, bbls....ton. 60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton. 25.00 - —

Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs....lb. .30 - —
kgs., 100 lbs....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots....lb. .55 - —
cns.,....lb. .75 - .80

Malva flowers, black, bls....lb. .46 - .47
blue, bls....lb. .45 - .50

Leaves, bls....lb. .11 - .12

Manaca root, bls....lb. .20 - .21

Mandrake root, bls....lb. .10 - .11

Manganese acetate, dms....lb. .26½ —
Arsenate, bgs....lb. .12 - .12¼
Borate, tech., bbls....lb. .15 - .16
Carbonate, bbls....lb. .19 - —
Chloride, bbls....lb. .07¼- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton. 59.00 - —
l.c.l., 5 tons, works..ton. 62.00 - —
smaller lots, works..ton. 67.00 - —
burlap bgs., c.l., works.ton. 57.00 - —
l.c.l., 5 tons, works..ton. 60.00 - —
smaller lots, works.ton. 65.00 - —
paper bgs., c.l., works.ton. 55.00 - —
l.c.l., 5 tons, works..ton. 58.00 - —
84-87% bgs., 28-40 tons, wks. ton. 54.50 - —
5-15 tons, wks....ton. 57.50 - —
½-4 tons, wks....ton. 62.50 - —
200-600 lbs., wks....ton. 72.50 - —

Glycerophosphate, bbls., kgs., 1,000-lb. lots....lb. 2.01 - —
smaller lots....lb. 2.71 - —
cns., 25 lbs....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots....lb. .71 - —
cns., 25 lbs....lb. .81 - —

Hydrate, bbls., dlvd....lb. .82 - —
Iodide, bots., 5 lbs....lb. 5.45 - —
jars, 25 lbs....lb. 5.90 - —
Linoleate, liquid, 4%, dms....lb. .18 - .19¼
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls. c.l., works....ton. 45.00 -47.00
Resinate, fused, 8½%, bbls..lb. .06¾- .08¼
precip., dms....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07¼
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton. 48.75 - —
l.c.l., bgs....ton. 55.75 - —
80-85% bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —

Mangrove bark, bgs., shipt..ton. 24.00 - —

Manna flake, large, cs....lb. .45 - .46
small, cs....lb. .21 - .22

Mannitol, reagent, pure cryst., cs., works..lb. 1.15 - 1.20
commercial, cryst., bbl., ton lots..lb. .49 - —
smaller lots....lb. .62 - —

Marble flour, bgs....ton. 12.00 -14.00

Marjoram, French, bbls....ton. .16 - .16¼
Tunisan, bls....lb. .15 - .15½

Matico leaves, bls....lb. .23 - .24

Menthol, USP, natural, cs....lb. 3.15 - 3.25
synthetic, tech., cs....lb. 2.25 - —
USP, cs....lb. 3.00 - —
liquid, dms., 50 lbs....lb. 1.25 - —

Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots....lb. 3.10 - —

Mercurial ointment, 30%, pails, 50 lbs....lb. .77 - —
25 lbs....lb. .79 - —
50%, pails, 50 lbs....lb. 1.11 - —
25 lbs....lb. 1.13 - —

Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs....lb. 1.81 - —
fib., dms., 100 lbs....lb. 1.68 - —
jars, 25 lbs....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red *U. S. P.*, bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs....lb. 3.60 - —
fib., dms., 100 lbs....lb. 3.60 - —
yellow, bots., 5 lbs....lb. 3.80 - —
cns., 25 lbs....lb. 3.65 - —
fib., dms., 100 lbs....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, fib. dms., 50 lbs. or more..lb. 1.78 - —

Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs....lb. 1.10 - 1.12

Mesityl oxide, cns., works....lb. .25½ - .27½
dms., c.l., works....lb. .21 - —
l.c.l., works....lb. .21½- —
tanks, works....lb. .20 - —

Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in...pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg. 15.25 -15.75
3⅜x3⅜ in....pkg. 16.15 -17.50
4x4 in....pkg. 19.50 -20.00
3⅜x5½ in....pkg. 22.50 -23.00
3⅜x5½ in....pkg. 24.50 -25.00
Silver, 3⅜x3⅜ in....pkg. 2.75 - 2.85

Metanitroanilin, kgs....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, natural, denat. grade, tanks..gal. .25 - —
97%, tanks....gal. .32 - —
95%, tanks....gal. .31 - —
Methyl acetone, tanks....gal. .25 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.

pure, synth., dms., c.l., Zone 0, frt. alld..gal. .38 - —
2, frt. allo....gal. . - —
3, frt allo....gal 4½ - -
4, frt. allo....gal. 44 - —
l.c.l., Zone 1, frt. allo. or dlvd gal 40¼ - —
2, frt. allo. or dlvd., gal. 44 - —
3, frt. allo. or dlvd gal 44½ - -
4, frt. allo. or dlvd gal. 60 - —
tanks, Zone 1, frt allo gal. 33 - —
2, frt. allo....gal. .35½ - —
3, frt. allo....gal. .36½ - —
4, frt. allo....gal. .37 - —

Synthetic methanol sales zones are —Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3 Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R....lb. .09 - —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08½- —
W. of Miss. R....lb. .09¼- —
tanks, dlvd. E. of Miss R. lb. .07 - —
W. of Miss. R....lb. .08 - —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R....lb. .08½- —
l.c.l., dlvd. E. of Miss. R..lb. .08 - —
W. of Miss. R....lb. .09 - —
tanks, dlvd. E. of Miss. R., lb. .06½- —
W. of Miss. R....lb. .07½- —

Acetoacetate, dms., c.l., works, frt. alld..lb. .20½- —

Acetone, natural, tanks....gal. .25 - —

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl, acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies....gal. .33 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast....gal. .42 - —
Zone 4....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal .475 - —
3, Pacific Coast....gal. .45 - —
4....gal. .605 - —
tanks, Zone 1, frt. alld. E. of Rockies....gal. .315 - —
2, ft. allo. E. of Rockies, gal. .34 - —
3, Pacific Coast....gal. .35 - —
4....gal. .555 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Methyl alcohol, (see Methanol).
Anthranilate, bots....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs....lb. .70 - 1.20
Bromide, cyl....lb. .60 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .38 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls....lb. 2.45 - 2.75
Formate, dms....lb. .35 - .36
Lactate, dms., l.c.l., dlvd..lb. .30 - —
Iodide, bots....lb. 3.68 - 3.83
Salicylate, dms....lb. .35 - .37
cns....lb. .37 - .40
Violet toner, bbls....lb. .38 - —
permanent, bbls....lb. .50 - —

Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts..lb. .11½- —
l.c.l., same terms....lb. .12 - —
tanks, same terms....lb. .10½- —

Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .16 - .22

Methylheptenone, bots....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb. 23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —

Methylisobutyl ketone, dms., 65-gal., c.l., works..gal. .76 - —
l.c.l., works....gal. .80 - —
smaller containers, works..gal. 1.00 - —
tanks, works....gal. .70 - —

Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp. bots....lb. 3.10 - —

Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l....lb. .16 - —
l.c.l....lb. .20 - —
tanks....lb. .15 - —

Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis....ton. 11.00 - —

Metronite pigment, 180 mesh, containers extra, c.l., same basis..ton. 11.00 - —
l.c.l., same basis....ton. 13.00 - —
250 mesh, containers, extra, c.l., same basis..ton. 18.00 - —
l.c.l., same basis....ton. 15.00 - —
325 mesh, containers, extra, c.l., same basis..ton. 18.00 - —
l.c.l., same basis....ton. 20.00 - —

Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 30.00 - —
l.c.l., 5,000 lbs., works, ton. 40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton. 29.00 - —
l.c.l., 5,000 lbs., works, ton. 39.00 - —
paint, bgs., extra and returnable, c.l., works, ton. 55.00 - —
l.c.l., 5,000 lbs., works, ton. 65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 35.00 - —
l.c.l., 5,000 lbs., works ton. 45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton. 29.00 - —
l.c.l., 5,000 lbs., works, ton. 39.00 - —
paint, bgs. extra and returnable, c.l., works..ton. 60.00 - —
l.c.l., 5,000 lbs., works, ton. 70.00 - —
wet-ground, paint or lacquer, bgs., c.l., dlvd. E..lb. .04¼- —
l.c.l., 1,000 lbs., dlvd. E..lb. .04¾- —
smaller lots, dlvd. E..lb. .05¼- —
100 lbs., works....lb. .03½- —
paper, wall or coated, bgs., c.l., frt. all., E..lb. .04½- —
c.l., 1,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. allo., E..lb. .05½- —

Mica, wet-ground, rubber bgs., c.l., frt. allo. E...lb. .04 - —
l.c.l., 1,000 lbs., frt. allo., E..lb. .04½- —
smaller lots, frt. allo., E..lb. .05 - —

wet-ground mica prices are ½c. per pound higher on Pacific Coast.

Milk powder, skimmed roller, bbls., c.l..lb. .06 - —
l.c.l....lb. .07 - —
spray, bbls., c.l....lb. .06½- —
l.c.l....lb. .07½- —
unskimmed, roller bbls., c.l.lb. .15½- —
l.c.l....lb. .16½- —
spray, bbls., c.l....lb. .15½- —
l.c.l....lb. .16½- —

Millet seed, yellow, bgs....lb. .03½- .03¾
early fortune, bgs....lb. .02½- .02¾
hulled, bgs....lb. .05½- .06

Mineral spirits (see Petroleum thinner and V M & P, naphtha).

Molasses, blackstrap, tanks..gal. .06½- —
New Orleans....gal. .06 - —

Molybdate orange (see Orange, molybdate).

Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00

Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works....lb. .55 - —
Monobutylamine, dms., c.l., works..lb. .62 - —
l.c.l....lb. .65 - —

Monochlorobenzene, dms....lb. .06 - .06

Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms....lb. .25 - —
tanks....lb. .23 - —

Monoethylaniline, dms....lb. .77 Nom.

Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd....lb. .70 - —

Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00

Morphine, bots., 5 ozs....oz. 11.10 - —
cns., 25 ozs....oz. 10.90 - —
Acetate, bots., 5 ozs....oz. 9.00 - —
cns., 25 ozs....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz. 10.75 - —
cns., 25 ozs....oz. 10.55 - —
Hydrobromide, bots., 5 ozs...oz. 8.95 - —
cns., 25 ozs....oz. 8.75 - —
Sulphate, bots., 5 ozs....oz. 9.00 - —
cns., 25 ozs....oz. 8.80 - —

Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —

Mullein flowers, cns....lb. .80 - .85
Leaves, bls....lb. .07 - .08

Musk, nat., Tonquin, grained, bots..oz. 21.00 -22.00
pods, caddies, 20 ozs....oz. 19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.25 - —
5 lbs. to 75 lbs....lb. 3.50 - —
1 lb....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs....lb. 3.65 - —
1 lb....lb. 3.80 - —
xylol, cns., 100 lbs. or more, lb. 1.00 - —
5 lbs. to 75 lbs....lb. 1.10 - —
1 lb....lb. 1.25 - —

Musk root, bls....lb. .12 - .13

Mustard seed, Bombay, brown, bgs..lb. .04½- .05
California, brown, bgs....lb. .06½- .07
Chinese, yellow, bgs....lb. .05¾- .06¼
Danish, yellow, bgs....lb. .08½- .08½
Dutch, yellow, bgs....lb. .08 - .08½
English, yellow, bgs....lb. .09 - .09½
Hungarian, yellow, bgs....lb. .08 - .08½
Roumanian, yellow, bgs....lb. .05¾- .06

Myrobalans, J1, bgs., shipt...ton. 25.00 - —
J2, bgs., shipt....ton. 17.00 - —
R2, bgs., shipt....ton. 17.00 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls....lb. .04¾- —
powdered, 70% bbls....lb. .06¾- —

N

Naphtha, Painters' (see Petroleum naphtha. V. M. & P.).
Solvent (see S).

Naphthalene, crude, dom., 74 deg., bgs., bbls., wks., 100 lbs. 2.35 - 2.85
78 deg., bgs., bbls., wks., 100 lbs. 2.75 - 3.35
import, bgs., Atl, port. 100 lbs. 1.85 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works....lb. .05¾- —
50-lb., cs., same basis..lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
chipped, crushed, bbls., same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .05¾- —

Nerolin, cryst., cns....lb. 1.25 - 1.35

Nickel carbonate, bbls....lb. .36 - .37½
Chloride, bbls....lb. .18 - .20
Oxide, black, bbls....lb. .35 - .38
Salt, bbls....lb. .13 - .13¼

Nicotine sulphate, 40%, dms., works, frt. allo..lb. .70 - —
10-lb., tins....lb. .86½- —

Nitereake, bulk, works....ton. 16.00 - —

Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l....lb. .09 - —
tanks....lb. .07 - —

Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammom., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —

Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis., dlvd....unit-ton. 2.25 - —
f.o.b. Chemical, Ill., unit-ton. No prices
East Coast producing points..unit-ton. 2.60 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.50 - —

Nitronaphthalene, bbls....lb. .24 - .25

Nutgalls, Aleppo, bgs., cs....lb. No prices
Chinese, shipt., cs....lb. No prices
Extract (see Gall extract).

Nutmegs, 80s, bgs., cs....lb. .19 - .19½
110s, bgs., cs....lb. .17½- .18
West Indian, bgs....lb. .11 - .11½

Nux vomica, bls....lb. .03¾- .04
powd., bbls., bxs....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l. wks..lb. .03¼- —
l.c.l., bbls., wks....lb. .03¾- —
tanks....lb. .03¾- —

Ocher (see Yellow).

Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3....gal. .17 - —
tanks, G.3....gal. .10¼- —

Octyl acetate, dms., c.l., works..lb. .16 - —
l.c.l., works....lb. .17 - —
tanks, works....lb. .15 - —

Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots....lb. 2.25 - 2.30
s.p.a., bots....lb. 2.40 - 2.45
sweet, true, exp., cns....lb. .65 - .68
Amber, crude, cns....lb. .16 - .17
ref'd, cns....lb. .50 - .51
Amyris, cns....lb. 8.00 - 8.25
Angelica root, bots....lb. 45.00 -52.00
seed, bots....lb. 70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms....lb. .70 - .75
Apricot kernel, cns....lb. .28 - .32
Babassu, tanks....lb. .06½ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.20 - 1.25
55-60% phenols, cns....lb. 1.30 - 1.35
Bergamot, artif., cns....lb. 1.25 - 1.30
natural, coppers....lb. 3.65 - 3.85
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms....lb. .16 - .17
rectified, cns....lb. .60 - .65
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms....lb. .42 - .45
USP IX, cns....lb. .48 - .50
Calamus, cns....lb. 3.60 - 4.25
Camphor, sassafrassy, cns...lb. .27 Nom.
dms....lb. .25 Nom.
white, cns....lb. .27 Nom.
dms....lb. .25 Nom.
Cananga, native, cns....lb. 1.25 - 1.30
rectified, cns....lb. 1.80 - 1.85
Capsicum (oleoresin), N. F. VI, cns..lb. 2.00 - 2.05
Caraway, USP, cns....lb. 1.80 - 1.85
Cardamom, bots....lb. 15.00 -27.00
Cassia, USP, cns., dms....lb. .95 - 1.00
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l....lb. .12 - —
Medicinal, bbls., c.l....lb. .09¾- —
l.c.l....lb. .10½- —
cns. (1-gal.), l.c.l....lb. .13½- —
dms. (returnable), c.l. ..lb. .09½- —
l.c.l....lb. .10¼- —
(5-gal.), l.c.l....lb. .11½- —
tanks....lb. .09 - —
No. 3, bbls., c.l....lb. .09¼- —
l.c.l....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l....lb. .09¾- —
tanks....lb. .08½- —

Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (48% fat), dms., c.l..lb. .06¼- .06¾
l.c.l....lb. .07¼- .08¾
75% (63% fat), dms., c.l..lb. .09 - .09¼
l.c.l....lb. .10 - .10¼
80% (68% fat), dms., c.l..lb. .09¼- .10¼
l.c.l....lb. .10¾- .11
Cedarleaf, cns....lb. .63 - .66
dms....lb. .56 - .58
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms....lb. .18½- .23
Celery, bots....lb. 7.50 -12.50
Chaulmoogra, USP, cns., 500 lbs., lb. .72½- —
25 lbs....lb. .75 - —
Chinawood, dms....lb. .14 - .14½
tanks....lb. .14 - .14½
Cinnamon, Ceylon, bots....lb. 8.50 -22.00
Seychelle, bots....lb. 6.50 - 7.50
Citronella, Ceylon, cns....lb. .33 - .33¼
dms....lb. .33 - .33½
Java, cns., dms....lb. .37 - .39
Clove, makers, USP, cns....lb. .98 - —
dms....lb. .95 - —
Coconut, Manila, crude, tanks, lb. .03 - —
Pac. Cst....lb. .02¾- .02¾
edible, 76° tax incl., dms., (returnable), c.l..lb. .08¼- —
l.c.l....lb. .08¾- —
tanks....lb. .07¾- —
Cod, Newfoundland, shipt., tanked, bbls..gal. .35 Nom.
Norwegian, shipt., bbls...gal. .26 - .28
Codliver, med., U.S.P., Norwegian, bbls...bbl. 26.00 -27.00
Coriander, bots....lb. 13.50 -20.00
Corn, crude, tanks, works...lb. .06¾- .06¾
refd., bbls....lb. .09½- .09¾
Cottonseed, d o m . , cooking, bbls..lb. .09¼- —
salad, bbls....lb. .09½- —
import, Brazilian, semi-refd., dms..lb. .0475- —
Creosote (see C).
Croton, USP, cns....lb. 1.30 - 1.35
Cubeb, USP, cns....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots....lb. 6.75 - 7.00
Cypress, dom., bots....lb. 5.25 - 5.30
import, cns....lb. 12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots....lb. 2.70 - 3.00
weed, bots....lb. 3.75 - 3.80
Dip (see D).
Erigeron, cns....lb. 2.40 - 2.55
Eucalyptus, cns....lb. .35 - .37
dms....lb. .33 - .35
Fennel, sweet, cns....lb. 1.10 - 1.15
Fuel, bunker, California, tidewater..bbl. .90 - —
Gulf Coast....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday....bbl. .95 - —
Tuesday....bbl. .95 - —
Wednesday....bbl. .95 - —
Thursday....bbl. .95 - —
Friday....bbl. .95 - —
Saturday....bbl. .95 - —
North Texas, 18-22....bbl. .80 - .85
24-28, zero cold test....bbl. 1.10 - 1.15
Oklahoma, 18-22....bbl. .85 - .90
24-28, zero cold test....bbl. 1.07½- 1.12½
24-28, 15 and above....bbl. .90 - .95
Pennsylvania, 36-40....gal. .04 - .04¼
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis....gal. .04½- —
4, bulk, same basis....gal. .04¾- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¾- .04
Oklahoma, 28-30....gal. .03¼- .03½
32-36....gal. .03½- .03¾
36-38....gal. .03¾- .03¾
38-40, straw....gal. .03¾- .04
38-40 zero, 60 c.p....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk....gal. .04¾- —
Gulf Coast, bulk....gal. .04½- .04¼
North Texas, bulk....gal. .02¾- .03
Oklahoma, bulk....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).

Oil, geranium, Algerian, rose, cns.	lb.	3.25 - 4.50
Bourbon, cns.	lb.	2.65 - 3.00
Turkish (see Palmarosa).		
Grapefruit, cns.	lb.	1.90 - 2.15
Grapeseed, dms.	lb.	.40 - .60
Ginger, dist., bots.	lb.	5.35 - 5.50
Guaiac wood, concrete, bots.lb.		2.65 - 3.30
Haarlem, import., bots.	gross	3.15 - 3.25
Halibut-liver, dms. 1,000 A unit	gal.	.75 - 1.00
Hemlock, cns.	lb.	.60 - .65
Juniper berry, USP, cns.	lb.	1.10 - 1.30
Wood, tech., cns.	lb.	.45 - —
Juniper tar, USP XI, 1,000 lb. dms.	lb.	.39 - .40
cns.	lb.	.41 - .44
Lard, common, 1, bbls.	lb.	.08½- —
2, bbls.	lb.	.08¼- —
extra, bbls.	lb.	.09½- —
1, bbls.	lb.	.08¾- —
winter, strained, extra, bbls.	lb.	.09¾- —
prime burning, bbls.	lb.	.10 - —
prime, ed., bbls.	lb.	.11½- —
ined., bbls.	lb.	.09¾- —
Laurel, bots.	lb.	6.25 - 6.50
Lavandin, cns., 25 lbs.	lb.	1.95 - 2.05
Lavender flower, French, 50% ester, cns.	lb.	4.50 - 4.75
38-42% ester, cns.	lb.	3.25 - 4.25
35-38% ester, cns.	lb.	2.75 - 3.00
30-32% ester, cns.	lb.	2.00 - 2.25
garden, cns.	lb.	.42 - .45
spike, Spanish, tech., cns.	lb.	1.05 - 1.10
dms.	lb.	.95 - 1.10
Lemon, Calif., cns.	lb.	2.50 - —
Messina, coppers, cns.	lb.	3.05 - 4.00
Lemongrass, native, cns., dms.,	lb.	.38 - .40
Lime, dist., Mexican, cns.	lb.	3.50 - 3.55
West Indian, cns.		4.25 - 4.50
expressed, cns.	lb.	.50 - 5.50
Linaloe wood, cns.	lb.	1.25 - 1.30
Linseed, boiled, bbls., c.l.	lb.	.0870- .0880
l.c.l., 5 or more	lb.	.0910- .0920
less than 5	lb.	.0950- .0960
tanks	lb.	.0810- .0820
double boiled, bbls., less than 5 lbs.	lb.	.0970- .0990
raw, bbls., c.l.	lb.	.0830- .0840
l.c.l., 5 or more	lb.	.0870- .0880
less than 5	lb.	.0910- .0920
tanks	lb.	.0770- .0780
Lovage, bots.	lb.	41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—		
California, green, 70, 80, 100, vis., dms.	gal.	.20 - —
140 vis., dms.	gal.	.25 - —
green, pale, 750, 900 vis., dms.	gal.	.26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks.	gal.	.18½- —
15-25 pour, tanks.	gal.	.17½- —
150-160 D, color, 4½, 0-10 pour, tanks.	gal.	.20 - —
15-25 pour, tanks.	gal.	.19 - —
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.18½- —
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.23 - —
200-210 E. 15-25 pour, tanks.	gal.	.22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks.	gal.	.13 - —
180 vis., 3 color, tanks,	gal.	.14 - —
4 color, tanks.	gal.	.13½- —
200 vis., 3 color, tanks,	gal.	.14½- —
4 color, tanks.	gal.	.14 - —
250 vis., 3 color, tanks.	gal.	.15½- —
4 color, tanks.	gal.	.15 - —
280 vis., 3 color, tanks.	gal.	.16½- —
4 color, tanks.	gal.	.16 - —
300 vis., 3½ color, tanks,	gal.	.17 - —
350 vis., same basis.	gal.	.17½- —
400 vis., same basis.	gal.	.18 - —
500 vis., same basis.	gal.	.18½- —
600 vis., same basis.	gal.	.19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.		
Penn., bright, 600 cold test, 10-15 pour, tanks.	gal.	.18 - —
cylinder, 600 fire, tanks,	gal.	.11½- —
600 flash, tanks.	gal.	.14 - —
650 flash, tanks.	gal.	.17 - —
675 fire, tanks.	gal.	.12½- —
650 fire, tanks.	gal.	.13½- —
Warren, E, amber, tanks,	gal.	.15 - —
neutral, 150 vis., 3 color, tanks.	gal.	.18 - —
180 vis., 3 color, tanks.	gal.	.18½- —
200 vis., 2 color, tans.	gal.	.20 - —
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.24 - —
unfiltered, 600 s.r. bbls., f.a.s.	gal.	.20 - —
600 flash, s.r., bbls., c.l.,	gal.	.22 - —
630 s.r., bbls., c.l., f.a.s.	gal.	.20½- —
Warren, E, bbls., c.l., f.a.s.	gal.	.22½- —
smaller lots, f.o.b.	gal.	.23½- —
Mace, dist., cns., dms.	lb.	1.20 - 1.25
Mandarin, superior, coppers.	lb.	6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.30 Nom.
refd., alkali, dms.	lb.	.0690- .0710
tanks	lb.	.0630- —
blown, dms.	lb.	.0690- .0710
kettle-bodied, dms.	lb.	.0780- .0800
light, pressed, dms.	lb.	.0630- .0650
tanks	lb.	.0570- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns.	lb.	1.65 - 1.70
dist., natural, bots.	lb.	8.50 - 9.00
expressed, bbls.	gal.	.65½- .70
Neatsfoot, 20° cold test, bbls.,	lb.	.15¼- —
extra, bbls.	lb.	.09 - —
1, bbls.	lb.	.08¾- —
pure, bbls.	lb.	.11¾- —
prime, bbls.	lb.	.09½- —
sulphonated, common, 25% moisture, dms.	lb.	.10¼- —
Neroli, bots.	lb.	85.00- 140.00
Nutmeg, USP, cns., dms.	lb.	1.20 - 1.25
Oiticicia, dms.	lb.	.11½- .11¾
Oleo, 1, bbls.	lb.	.09 - —
2, bbls.	lb.	.08¼- —
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., bbls.	lb.	.86 - .88
edible, bbls.	gal.	1.75 - 2.00
foots, bbls.	lb.	.07 - .07¼
sulphonated, 50% (43% fat), dms., c.l.	lb.	.11¼- .12
l.c.l.	lb.	.12¾- .13
75% (63% fat), dms., c.l.	lb.	.13¾- .14
l.c.l.	lb.	.14¾- .15
80% (68% fat), dms., c.l.	lb.	.14¾- .15
l.c.l.	lb.	.15¾- .16
Orange sweet, dist., cs.	lb.	.50 - —
expressed, African, cns., dms.	lb.	.80 - .85
Calif., cns.	lb.	.65 - .75
Messina, USP, coppers.	lb.	2.25 - 2.25
West India, cns.	lb.	1.90 - 2.00
Oil, origanum, cns.	lb.	.90 - 1.00
Orris, Florentine, concrete, extra strong bots.	oz.	4.75 - 5.50
Palm, Niger, csks.	lb.	.03½- .03¾
shipment	lb.	.0290- —
softs, 12½%, bulk, shipt.	lb.	.0275- —
20%, bulk, shipt.	lb.	.0265- —
Sumatra, shipt., bulk.	lb.	.02¾ Nom.
Palmarosa, cns.	lb.	2.00 - 2.25
Palmkernel, bulk, shipt.	lb.	.0365 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. S.	gal.	.05¼- —
330° flash, 70-80 vis., tanks, G. S.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, ind. refy.	gal.	.14 - —
360° flash, 100-110 vis., tanks, G. S.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	3.75 - 6.50
Peanut, crude, dom., tanks.	lb.	.06¾- .06¾
refd., edible, bbls.	lb.	.10 - .10¼
Pennyroyal, dom., cns.	lb.	1.40 - 1.45
import, cns.	lb.	1.50 - 1.75
Peppermint, natural, cns., dms.,	lb.	2.15 - 2.45
redist., USP, cns., dms.	lb.	2.35 - 2.65
Perilla, dms.	lb.	.09¾- .10
tanks	lb.	.0920- .0940
Petitgrain, Paraguay, cns.	lb.	.82½- .90
Pimento berry, cns.	lb.	3.35 - 3.65
leaf, cns.	lb.	2.30 - 2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.46 - .48
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	.95 - 1.00
Putty, bbls., El Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.10½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Bost., Provid.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, bbls.	lb.	.14 - .14½
denat., bbls.	gal.	.78 - .80
Red, dist. or saponif, bbls., dlvd.	lb.	.08¾ Nom.
dms., dlvd.	lb.	.08¼ Nom.
tanks, dlvd.	lb.	.07½ Nom.
white, dms.	lb.	.11¼ Nom.
Rose, artif., bots.	oz.	2.00 - 8.00
natural, coppers.	oz.	5.25 -22.50
Rosemary, Spanish, cns.	lb.	.56 - .75
dms.	lb.	.51 - .70
Rosin, 1st rectfd., dms.	gal.	.45 - —
2d rectfd., dms.	gal.	.47 - —
3d rectfd., dms.	gal.	.51 - —
Rue, bots.	lb.	2.15 - 2.20
Sage, cns.	lb.	1.50 - 1.55
Sandalwood, E.I., USP, cns.	lb.	4.75 - 4.80
Sardine, crude, tanks, Pac. Cst.	gal.	.28½- —
refd., alkali, dms.	lb.	.0690- .0710
tanks	lb.	.0630- —
kettle-bodied, dms.	lb.	.0780- .0800
light, pressed, dms.	lb.	.0630- .0670
tanks	lb.	.0570- —
Sassafras, artif., cns.	lb.	.36 - .37
dms.	lb.	.34 - .35
natural, cns., dms.	lb.	.90 - .30
Savin, cns.	lb.	1.4[illegible] - 1.65
Savory, cns.	lb.	2.[illegible] - 2.25
Sesame, refd., dms.	lb.	.10¼ Nom.
Shingle stain, bbls., c.l., wks.	gal.	.18 - —
l.c.l., works	gal.	.21 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.00
Soybean, dom., crude, dms.	lb.	.0635- .0700
tanks	lb.	.05¾- .05⅞
refd., dms.	lb.	.0755- .0825
tanks	lb.	.0675- .0685
Spearmint, USP, cns.	lb.	1.70 - 1.75
Sperm, bleach, 38°, dms.	lb.	.1000- .1020
45°, dms.	lb.	.0930- .0950
natural, dms.	lb.	.0880- .0900
Spruce, cns., dms.	lb.	.60 - .65
Sweet, birch, North, cns.	lb.	2.25 - 3.50
South, cns.	lb.	1.65 - 2.00
Tall, crude, dms., c.l., works,	ton.	45.00 - —
l.c.l., works	ton.	50.00 -65.00
tanks, works	ton.	35.00 - —
refined, dms., c.l., works	lb.	.05½- —
l.c.l., works	lb.	.06 - —
tanks, works	lb.	.05 - —
Tallow, acidless, bbls.	lb.	.08¼- —
tanks	lb.	.07¾- —
Tansy, cns.	lb.	6.25 - 6.30
Tar, coml. dms., c.l., dlvd., E. cities.	gal.	.26 - —
E. ports.	gal.	.25 - —
l.c.l.	gal.	.26 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., dlvd., E. ports.	gal.	.50 - —
Tar acid (see T).		
Teased, crude, dms.	lb.	.07¼- .07½
Tea Tree (see Oil, ti tree).		
Thyme, NF, red, dms.	lb.	.85 - 1.25
white, dms.	lb.	.85 - 1.45
Ti tree, cns.	lb.	2.75 - 3.10
Tung (see Oil, chinawood).		
Turkey red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	4.25 - 5.00
Valerian, bots.	lb.	8.00 - 8.25
Vetiver, bots.	lb.	3.50 -15.00
Walnut, crude, dms.	lb.	.13 - .13½
refd., dms.	lb.	.14 - .14½
Whale, refd., natural, dms.	lb.	.0770- .0790
winter, bleach, dms.	lb.	.0810- .0830
Wheat germ, phar., cns., dms.	gal.	22.50 -30.00
feedstuff, cns., dms.	gal.	17.50 -25.00
White, mineral, doms., tech., 50-60 vis., dms.	gal.	.42 - —
65-75 vis., dms.	gal.	.44 - —
80-90 vis., dms.	gal.	.45 - —
USP, 80-90 vis., dms.	gal.	.49 - —
95-105 vis., dms.	gal.	.57 - —
125-135 vis., dms.	gal.	.64½- —
140-150 vis., dms.	gal.	.68 - —
175-185 vis., dms.	gal.	.72½- —
200-210 vis., dms.	gal.	.74½- —
320-330 vis., dms.	gal.	.80½- —
335-345 vis., dms.	gal.	.82 - —
Russian, 80-90 vis., dms.	gal.	.49 - —
145-155 vis., dms.	gal.	.68 - —
175-185 vis., dms.	gal.	.72½- —
335-345 vis., dms.	gal.	.82 - —
Wintergreen, natural, North, cns.	lb.	4.00 - 8.00
South, cns.	lb.	3.05 - 3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.30 - 2.35
Wormwood, cns.	lb.	3.25 - 3.30
Ylang-ylang, Bourb., bots., cns.,	lb.	3.50 - 6.00
Manila, bots.	lb.	18.00 -24.00
Olivine, aggregate, c.l., mines.	ton.	5.00 - 8.00
Lumps, same basis.	ton.	7.00 - —
Spalls, same basis.	ton.	5.00 - —
ground, 200 mesh, c.l., mines,	ton.	15.00 - —
20 mesh to dust.	ton.	10.00 - —
Opium, USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange, Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10¾- —
Orange, mineral, Amer., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Colo., Mont., N. M., Wyo.	lb.	.11 - —
Other points	lb.	.10½- —
smaller lots, dlvd., Ala., etc.	lb.	.11¼- —
Ariz., etc.	lb.	.11¾- —
Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points	lb.	.11 - —
French, Tours, casks, ex dock,	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.33 - .35
Orange peel, bitter, bls.	lb.	.08 - .09
sweet, bls.	lb.	.13 - .14
Orris root, Florentine, bgs.	lb.	.10 - .11
fingers, cs.	lb.	.85 - .90
powd., bbls., bxs.	lb.	.12 - .13
Verona, bls.	lb.	.09 - .10
powd., bxs., cs.	lb.	.12 - .13
Orthoanisidin, bbls.	lb.	.70 - .74
Orthochloroanilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16½- —
l.c.l., same basis.	lb.	.17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 - —
Orthodichlorobenzene, l.c.l., same basis.	lb.	.07 - —
100-lb. tins, same basis.	lb.	.08 - —
50-lb. tins, same basis.	lb.	.09 - —
tanks, same basis.	lb.	.05¼- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.08 - —
Orthotoluenehydrochloride, dms.	lb.	.22 - —
Orthotoluene sulphonate, kgs.	lb.	2.00 - 2.05
Orthotoluidin, dms.	lb.	.16 - —
Osage orange extract, cryst., bbls.,	lb.	.19 - —
liquid, 42°, bbls.	lb.	.08 - —
51°, bbls.	lb.	.09 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00

P

Papain, powd., cs.	lb.	1.25 - 1.30
Paprika, Hungarian, extra fancy, bgs.	lb.	.40 - .43
medium, bgs.	lb.	.42 - —
Spanish, extra fancy, cs.	lb.	.50 Nom.
Para-aminoacetanilide, kgs.	lb.	.85 Nom.
Parachlorophenol, dms.	lb.	.45 - —
Paracymene, refd., dms.	gal.	.76 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼- —
bbls., c.l., N. Y.	lb.	.0230- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼- —
bbls., c.l., N. Y.	lb.	.0230- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.03¾- —
loose, c.l.	lb.	.0355- —
125-127 A.m.p., bgs., c.l.	lb.	.0390- —
loose, c.l.	lb.	.0370- —
128-130 A.m.p., bgs. or loose, c.l.	lb.	.04 - —
131-133 A.m.p., bgs. or loose, c.l.	lb.	.0435- —
133-135 A.m.p., bgs. or loose, c.l.	lb.	.0465- —
135-137 A.m.p., bgs. or loose, c.l.	lb.	.0490- —
138-140 A.m.p., bgs. or loose, c.l.	lb.	.0565- —
143-145 A.m.p., bgs. or loose, c.l.	lb.	.0660- —
151-153 A.m.p., bgs. or loose, c.l.	lb.	.06½- —
refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is .05c. lower.		
match, A.m.p. up to and incl. 110-112 bbls.	lb.	.02½- .02¾
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis.	lb.	.35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd.	lb.	.16 - —
5 and 10 gal. dms., dlvd.,	lb.	.17 - —
USP, cs., cbys.	lb.	.37 - .45
Paranitroanilin, kgs., works.	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.35 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.56 - —
Pareira brava root, bls.	lb.	.15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld.,	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower herb, bls.	lb.	.07 - .07½
Patchouli leaves, bls.	lb.	.18 - .20
Pellitory root, bls.	lb.	.16 - .17
Pennyroyal herb, bls.	lb.	.07 - .08
leaves, bls.	lb.	.14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3.	gal.	.16 - —
tanks, G.3.	gal.	.08½- —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3.	gal.	.25 - —
Pepper, black, Alleppy, bgs.	lb.	.08¼- .08½
Lampong, bgs.	lb.	.05 - .05½
Tellicherry, bgs.	lb.	.08½- .09
Red, chillies, Japan, 1, bgs.	lb.	.20 - .20½
Mombassa, bgs.	lb.	.22¼- .22¾
White, Java, Muntok, bgs.	lb.	.07½- .08
Saigon, bgs.	lb.	.07¼- .07¾
Peppermint leaves, dom., bls.	lb.	.23 - .24
import, bls.	lb.	.40 - .41
Peru, balsam, dms.	lb.	.65 - .70
Petrolatum, amber, bbls., c.l.	lb.	.02¾- .02¼
l.c.l.	lb.	.03¼- .03½
extra, bbls.	lb.	.02¾- .03
l.c.l.	lb.	.03¼- .04¼
cream (see white, cream).		
green (see red).		
red, veterinary, bbls., c.l.	lb.	.03¼- —
white, cream, bbls., c.l.	lb.	.04¼- —
l.c.l.	lb.	.05¼- .06¼
lily, bbls., c.l.	lb.	.05¼- —
l.c.l.	lb.	.06¼- .07¼
snow, bbls., c.l.	lb.	.06¼- —
l.c.l.	lb.	.07¾- .08¼
Petroleum, crude, bulk, at wells:—		
California:—		
Alamitos Heights	bbl.	.74 - .95
Athens	bbl.	.84 - 1.00
Belridge	bbl.	.70 - 1.32
Buena Vista Hills	bbl.	70 - 1.38
Canal-Greely	bbl.	.91 - 1.68

Oil, Geranium—Petrol.

Petroleum, crude, bulk, at wells:—		
California:—		
Coalinga	bbl.	.70 - .90
Coyote Hills (West)	bbl.	.78 - 1.32
Dominguez	bbl.	.79 - 1.00
East Coyote	bbl.	.76 - .96
Elk Hills	bbl.	.70 - 1.38
Elwood Terrace, f.o.b. ship.,	bbl.	1.28 - 1.43
El Segundo	bbl.	.80 - 1.21
Huntington Beach	bbl.	.78 - 1.22
Inglewood	bbl.	.79 - 1.27
Kern Front	bbl.	.70 - —
Kern River	bbl.	.70 - —
Kettleman Hills	bbl.	1.19 - 1.43
La Habra	bbl.	.76 - .96
Lakeview	bbl.	.70 - 1.33
Lost Hills	bbl.	.70 - 1.15
McKittrick	bbl.	.70 - —
Midway-Sunset (except Lakeview)	bbl.	.70 - 1.38
Montebello	bbl.	.77 - 1.43
Mt. Poso	bbl.	.70 - —
Mountain View	bbl.	.70 - 1.20
Newhall	bbl.	.70 - —
Orcutt	bbl.	.70 - .93
Olinda Brea	bbl.	.76 - 1.27
Playa del Rey, f.o.b. pipeline	bbl.	.80 - 1.16
Richfield	bbl.	.76 - 1.09
Rosecrans	bbl.	.84 - 1.66
Round Mt.	bbl.	.70 - —
Santa Fe Springs	bbl.	.78 - 1.42
Santa Maria	bbl.	.63 - .70
Santa Paula	bbl.	.70 - 1.01
Seal Beach	bbl.	.79 - 1.19
Signal Hill	bbl.	.80 - 1.21
Torrence	bbl.	.80 - 1.06
Wheeler Ridge	bbl.	.70 - .83
Whittier	bbl.	.76 - .96
Wilmington	bbl.	.75 - 1.21
Canada:—		
Oil Springs	bbl.	1.97 - —
Petrolia	bbl.	1.90 - —
Central West:—		
Illinois	bbl.	1.05 - —
Lima	bbl.	.90 - —
Midland (Mich.)	bbl.	1.12 - —
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast:—		
Barber's Hill	bbl.	.79 - 1.16
Batson	bbl.	.74 - 1.04
Dayton	bbl.	.95 - 1.41
Esperson	bbl.	.79 - 1.18
Goose Creek	bbl.	.79 - 1.28
Hull	bbl.	.74 - 1.04
Humble	bbl.	.74 - 1.04
Liberty	bbl.	.79 - 1.16
Markham	bbl.	.90 - 1.29
Orange	bbl.	.79 - 1.16
Pettus	bbl.	1.29 - —
Pierce Junction	bbl.	.95 - 1.41
Refugio (incl. Greta, Taft, Saxet)	bbl.	.79 - 1.38
Saratoga	bbl.	.74 - 1.04
Sour Lake	bbl.	.74 - 1.04
Spindle Top	bbl.	.74 - 1.04
Sugarland	bbl.	.79 - 1.28
West Columbia	bbl.	.79 - 1.28
Kentucky, Tennessee:—		
Big Sandy river	bbl.	1.12 - —
Kentucky river	bbl.	1.20 - —
Western Kentucky (Owensboro)	bbl.	1.10 - —
Louisiana, Arkansas:—		
Bull Bayou	bbl.	.73 - 1.05
Caddo	bbl.	.73 - 1.05
Cameron Meadows	bbl.	.74 - 1.13
Choctaw	bbl.	.74 - 1.20
Cotton Valley	bbl.	.73 - 1.05
Darrow	bbl.	.74 - 1.20
De Soto	bbl.	.73 - 1.05
El Dorado	bbl.	.73 - 1.05
Haynesville	bbl.	.73 - 1.05
Homer	bbl.	.73 - 1.05
Iowa	bbl.	.74 - 1.13
Lockport	bbl.	.74 - 1.13
Miller County	bbl.	.73 - 1.05
Pine Island	bbl.	.73 - 1.05
Rainbow	bbl.	.73 - 1.05
Rodessa	bbl.	.73 - 1.05
Smackover	bbl.	.73 - —
Tepetate	bbl.	1.03 - —
Urania	bbl.	.89 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—		
Panuco	bbl.	No prices
Tuxpan	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.63 - 1.10
Oklahoma-Kansas	bbl.	.63 - 1.10
Altus, Tipton (Okla.),	bbl.	.96 - 1.20
Pennsylvania, Ohio West Virginia:—		
Bradford-Allegany	bbl.	1.68 - —
Corning	bbl.	.97 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.18 - —
Eureka lines.	bbl.	1.28 - —
N. Y. Transit lines.	bbl.	1.63 - —
S. W. Penn. lines.	bbl.	1.34 - —
lower district in National Transit lines.	bbl.	1.56 - 1.61
Rocky Mountain:—		
Big Muddy	bbl.	.98 - —
Canon City-Florence	bbl.	.90 - —
Cat Creek	bbl.	1.10 - —
Dutton Creek	bbl.	.86 - 1.10
Elk Basin	bbl.	.90 - —
Fort Collins-Wellington.	bbl.	.81 - 1.05
Frannie, light	bbl.	.45 - .52
Grass Creek, light	bbl.	.90 - —
Iles	bbl.	.92 - .98
Lance Creek	bbl.	.77 - —
Lander	bbl.	.51¼- —
Midway	bbl.	.86 - 1.10
Rock Creek	bbl.	1.00 - —
Salt Creek	bbl.	.86 - 1.10
Sunburst	bbl.	1.20 - —
Torchlight	bbl.	1.30 - —
South, Central and Southwestern Texas:—		
Cass County	bbl.	.73 - 1.05
Cleveland-Liberty	bbl.	1.14 - —
Conroe	bbl.	1.27 - —
Darst Creek	bbl.	.96 - —
Hardin-Liberty	bbl.	1.00 - 1.02
Luling	bbl.	.87 - —
Lytton Springs	bbl.	.99 - —
Mirando (incl. Duval)	bbl.	.74 - 1.33
Panola County	bbl.	.73 - 1.03
Salt Flat	bbl.	.96 - —
Tomball	bbl.	.95 - 1.41
Van	bbl.	.93 - —
West Beaumont	bbl.	.79 - 1.28
Texas Panhandle:—		
Carson-Hutchinson counties,	bbl.	.67 - 1.01
Gray County	bbl.	.72 - 1.06
West Texas:—		
Artesia, N. M.	bbl.	.61 - .85
Crane	bbl.	.53 - .95
Crockett	bbl.	.53 - .95
Ector	bbl.	.53 - .95
Eddy (N. M.)	bbl.	.77 - —
Howard	bbl.	.53 - .95
Jackson, N. M.	bbl.	.61 - .85
Lea, N. M.	bbl.	.53 - .95
Maljamar, N. M.	bbl.	.61 - .85
Mitchell	bbl.	.63 - .95
Pecos	bbl.	.65 - .87
Upton	bbl.	.53 - .95
Winkler	bbl.	.53 - .95

N. Y. Q. Laboratory Scenes

Manufacturers of

BISMUTH SUBCARBONATE . . BISMUTH SUBGALLATE . . BISMUTH SUBNITRATE AND OTHER BISMUTH SALTS . . BRUCINE ALKALOID . . BRUCINE SULFATE . . ALL SALTS OF CINCHONA ALKALOIDS . . CODEINE ALKALOID . . CODEINE PHOSPHATE . . CODEINE SULFATE . . IODINE RESUBLIMED . . IODOFORM . . MENTHOL-Y . . MORPHINE ALKALOID . . MORPHINE SULFATE . . OPIUM GUM (Gran. and Powd.) . . POTASSIUM IODIDE (Cryst.—Gran.—Powd.) . . QUININE SULFATE AND OTHER QUININE SALTS . . STRYCHNINE ALKALOID . . STRYCHNINE SULFATE . . THYMOL IODIDE . .

THE NEW YORK QUININE AND CHEMICAL WORKS, INC.
99-117 NORTH ELEVENTH STREET
BROOKLYN, NEW YORK

ST. LOUIS DEPOT . . . 915 MARKET STREET

Petroleum, ether, 30-60°, dms., c.l., G. 3..gal. .14 - —
l.c.l., G. 3. ....gal. .25 - —
tanks, G.3 ....gal. .13 - —
35-60°, dms., l.c.l., G.3....gal. .30 - —
40-75°, dms., c.l., G.3....gal. .14 - —
l.c.l., G.3....gal. .25 - —
tanks, G.3....gal. .13 - —

laboratory grade, dms., c.l., G.3..gal. .14 - —
c.l., G.3....gal. .25 - —
10-gal. lots, G.3....gal. .50 - —

Lacquer, diluent, at refinery:—
California, 160 i.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks....gal. .07½- .07½

Naphtha, cleaners', at refinery:—
East Coast, tanks....gal. .10 - —
Group 3, tanks....gal. .06¾- .06¾
tankwagon, Boston, ex tax, gal. .12 - —
Bridgeport ....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax....gal. .12 - —
New York, ex tax....gal. .12 - —
Omaha, ex tax ....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans..gal. .21 - —

high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway....gal. .16 - —
2, over 90% arom., same basis..gal. .18 - —
3, tanks, f.o.b Bayway..gal. .18 - —
3, tanks, f.o.b. Paulsboro, N. J..gal. .14 - —
30, same basis....gal. .16 - —
40, same basis....gal. .14½- —

V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge, Ore., Pt. Wells Wash gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle....gal. .11 - —
East Coast, tanks....gal. .09½- —
Group 3, tanks....gal. .06¾- .06¾
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax gal. .208 - —
Newark, ex tax....gal. .11 - —
New York, ex tax....gal. .10½- .11
Omaha, ex tax....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 150 i.b.p., 250 e.p., tanks...gal. .06¾- .06¾
standard, 180 i.b.p., 288 e.p., tanks..gal. .06¾- .06¾
Stoddard (CS 3-38), at refinery:—
East Coast, tanks....gal. .10 - —
Group 3, tanks....gal. .06¼- .06½
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .15¾- —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax ....gal. .09½- .11½
New Orleans, ex tax....gal. 11 - —
New York, ex tax.....gal. .09½- .11½
Omaha ....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax....gal. .10 - .11

Thinners, at refinery:—
California, 34, 325 i.b.p., 380 e.p., low anilin, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles..gal. .15 - —
Portland, Ore....gal. .16 - —
Richmond ....gal. .14¾- —
Seattle, Wash....gal. .16½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond ....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 400 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond ....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks....gal. .09½- .10
New Jersey, tanks....gal. .08½- —
Group 3, tanks....gal. .05¾- .05¾
tankwagon, tax included:—
Albany ....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals....gal. .13½- .15½
Boston ....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½- .13½
Bridgeport, Conn....gal. .11½- —
Buffalo ....gal. .12½- —
Camden, N. J....gal. .10 - .12
Chicago ....gal. .162 - —
Decatur, Ill....gal. .184 - —
Des Moines....gal. .182 - —
Evansville, Ind....gal. .137 - .147
Milwaukee ....gal. .196 - —
Minneapolis-St. Paul..gal. .198 - —
Newark ....gal. .09 - —
New York (200 gals)..gal. .09½- .11
Omaha ....gal. .131 - .141
Philadelphia ....gal. .10 - —
Pittsburgh ....gal. .12 - .14
Providence ....gal. .12½- .13½
Rochester ....gal. .12 - —
St. Louis....gal. .15 - —
Syracuse ....gal. .14 - —
Trenton ....gal. .11½- .14
Wilmington, Del....gal. .11½- .13½

Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs. ....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis....lb. .15¾- .16¾
under 1,000 lbs....lb. .16¾- .17¾
tanks, works ....lb. .13½- —

Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Yellow, fib., dms., 2000-lb. lots., lb. .80 - —
100-lb. fib., dms....lb. .82 - —
25-lb. dms. ....lb. .87 - —
50-lb. kgs. ....lb. .84 - —
Phenyl chloride, dms....lb. .17 - —
Phenylacetaldehyde, bots. ....lb. 2.25 - 3.50
Dimethylacetate, cns. ....lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works..lb. 1.50 - —
pure, bbls., works....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines..... long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs. ....lb. .40 - .44
Yellow cs. ....lb. .24 - .30
oxychloride, cyls....lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .12 - —
Sesquisulphide, cs....lb. .38 - .42
Trichloride, cyls....lb. .18 - .18
Phthalamide, bbls., tons....lb. .35 - —
single bbls....lb. .40 - —
kgs. ....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis....lb. .15¼- —
Pichi leaves, bgs....lb. .14 Nom.
Pilocarpine hydrochloride, bots., vis...oz. 2.40 - 2.50
Nitrate, bots., vls....oz. 2.90 - 3.00
Pimento, bgs. ....lb. .14 - .14½
Pimarol, bbs. ....lb. .35 - .36
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. ....ton. 22.00 - —
hardwood, 1-time, dm., c.l., dlvd. Akron..ton. 23.75 -24.00
linseed, dms. ....lb. .06 - .06¼
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls. ....lb. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls. ....lb. .11 - .12
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. ....lb. .07½- .08
Pomegranate bark, bgs....lb. .16 - .17
Root bark, bgs....lb. .35 - .36
Poppy flowers, red, bls....lb. .55 - .70
Seed, Dutch, bgs....lb. .07¾- .08½
Polish, bgs. ....lb. .07¾- .08
Potash abietate ....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. ....lb. .28 - —
USP, bbls., 250 lbs....lb. .28 - —
kgs., 100 lbs. ....lb. .30 - —
cns., 25 lbs. ....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs ....lb. .11 - —
demj., 50 lbs. ....lb. .12 - —
Bicarbonate USP, cryst., bbls. 200 lbs. ....lb. .15 - —
kgs., 100 lbs....lb. .17 - —
gran., bbls., 250 lbs....lb. .15 - —
kgs., 100 lbs....lb. .17 - —
Bichromate, spot, c.l., works.lb. .08¾- 6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works lb. .09¼- —
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis....lb. .06¾- —
hydrated, 82-85%, bbls., c.l., works..lb. .05½- —
l.c.l. same basis....lb. .05¾- —
liquid, dms., c.l., dlvd....lb. .03 - —
l.c.l., dms. ....lb. .03½- —
tanks, dlvd. ....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs..lb. .19 - —
kgs., 100 lbs ....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. ....lb. .07¼- .07½
import, dms. ....lb. .07 - .07½
liquid, 45% basis, dms....lb. .03¼- .03¼
tanks ....lb. .02¾- —
solid 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. ....lb. .06¾- .06¾
import, dms....lb. .06¼- .06¾
Chlorate, cryst., kgs....lb. .09¼- .09¾
gran. kgs ....lb. .12 - .13
powd. kgs....lb. .08¼- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .32½- —
kgs., 100 lbs....lb. .34½- —
cns., 50 lbs....lb. .35½- —
cns., 25 lbs....lb. .37½- .38½
Cyanide, cns., dms....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots....lb. .90 - —
100-lb. lots....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns....lb. 1.15 - —
Guaiacolsulphonate, fib., dms., 100 lbs. 1.65 - —
cns., 25 lbs....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs....lb. .75 - —
Iodate, bots., 5 lbs....lb. 3.31 - 3.35
cns., 25 lbs....lb. 3.20 - —
Iodide, bbls., 250 lbs....lb. 1.13 - —
bots., or cns....lb. 1.22 - 1.48
dms. ....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.i.f., ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports....unit-ton. .53½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .53½- —
Metabisulphite, kgs....lb. .12 - .13½
Muriate, dom., all strengths, min., 50% K_2O bulk, unit-ton. .53½- —
import, all strngths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech, bbls....lb. .25 - .30
Nitrate, crude, bgs., c.i.f. ports. ton. 55.00 Nom.

Potash, perchlorate, kgs., works, lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls....lb. .30½- .34
Yellow, bbls. ....lb. .15 - .16
Ricinoleate, tech., bbls....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs....lb. .15 - —
powd., bbls., 350 lbs....lb. .14 - —
kgs., 100 lbs....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton. 38.00 - —
l.c.l. ....lb. .13½- —
Xanthate, dms., c.l. ....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., ships. ton. 25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls....lb. .12 - .13
Berries, bls. ....lb. .20 - .24
Prince's pine herb, bls....lb. .21 - .22
Propane, tanks, G.3....gal. .06 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. ....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works...lb. .04 - —
Ital-grd., bgs., c.l., shipt. ex dock, N.Y. ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms....100 lbs. 3.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms....100 lbs. 5.00 - —
standard, dms....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrum (Seil test) 55-gal. dms. (incl.) frt. alld.. E. of Rockies, standard brand..gal. 5.95 - —
basis (30 to 1) 3.0% pyrethrine 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 8.90 - —
Pyrethrum, flowers, coarse, grnd. (g d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .26 - .27
fine powd. Japan, bbls., ton lots frt. alld..lb. .27 - .28
Pyridin, denaturing, dms....gal. 1.53 - —
refd., 2°, dms. ....lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Alt. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst, works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l. mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines. ton. 7.50 - —
325 mesh, same basis....ton. 10.50 - —
Pyroxlin, scrap, amber, cs., works..lb. .12 - —
black, cs., works....lb. .10 - —
China white, ivory, cs., works..lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works....lb. .15 - —

Q

Quassia chips, bls....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .03½- —
tanks, works....lb. .02½- —
Quebracho, extr., solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04½- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms....lb. .10 - .15½
Quicksilver, dom., flasks, (76 lbs. net), dlvd., N.Y..flasks. 72.00 -76.50
Quince seed, bgs....lb. .80 - 1.00
Quinidine, cryst., small cns...oz. .90 - —
large, cns....oz. .88 - —
powd., precip. cans....oz. .91 - —
Sulphate cns....oz. .67 - —
Quinine, 100 ozs., cns....oz. .76 - —
Acetate, cns....oz. .99 - —
Arsenate, cns....oz. .99 - —
Arsenite, cns....oz. 1.01 - —
Bisulphate, cns....oz. .54 - —
Citrate, cns....oz. .72 - —
Dihydrobromide, bots....oz. .75 - —
Dihydrochloride, bots....oz. .75 - —
Ethylcarbonate, cns....oz. .75 - —
Ferrocyanide, cns....oz. 1.01 - —
Formate, cns. ....oz. .94 - —
Glycerophosphate, cns....oz. 1.14 - —
Hydrobromide, cns....oz. .66 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns....oz. .99 - —
Hypophosphite, cns....oz. .99 - —
Phosphate, cns....oz. .82 - —
Salicylate, cns....oz. .78 - —
Sulphate, U.S.P. X, cns....oz. .54 - —
U.S.P. XI, cns....oz. .61 - —
Sulphocarbolate, cns....oz. .97 - —
Tannate, cns....oz. .57 - —
Tartrate, cns....oz. .97 - —
Valerate, cns....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R, salt, dry, bbls....lb. .55 - —
paste, dms. ....lb. .52 - —
Rapeseed, Belgian, bgs....lb. .06¼- .06½
Dutch, black, bgs....lb. .06¼- .06½
red, bgs. ....lb. .06¼- .06¾
Japanese, bgs....lb. .06 - .06¼
Raspberries, dried, bls....lb. .36 - .38

Petroleum—Rosemary

Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.90 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots....lb. 4.00 - —
100-lb. lots ....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Eosin toner, bbls....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contra..lb. .75 - —
open order....lb. .80 - —
Rose lake, bbls....lb. .20 - .30
Pink, bbls....lb. .15 - .30
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works....lb. .09½- —
reduced, 85% copperas oxide, bbs., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle N. Y. lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order ....lb. .80 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kegs....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs....lb. 1.50 - 2.00
Scarlet ink toner, kgs, same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., f.o.b. N. Y., lb. .03¾- .0300
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works....lb. .0220- —
20% bbls., works....lb. .0245- —
25% bbls., works....lb. .0255- —
26% bbls., works....lb. .02¾- —
25% bbls., works....lb. .03 - —
30% bbls., works....lb. .03¼- —
35% bbls., works....lb. .0360- —
40% bbls., works....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. 15 - —
quicksilver, bbls., 500 lbs..lb. 1.50 - —
smaller lots....lb. 1.51 - 1.64
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs....lb. .09 - .10
Rhodinol, bots. ....lb. 6.65 -13.00
Rhubarb root, cs....lb. .36 - .38
powd., bbls., kgs....lb. .41 - .43
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots....lb. .17¼- —
Rose flowers, pale, bls....lb. .28 - .30
red, bls....lb. 2.35 - 2.50
Rosemary flowers, bls....lb. .25 - .30
Leaves, bls....lb. .05 - .06

Rosin—Sulphur Chlor.

Rosin, gum B, bbls., ex dock, 280 lbs.	5.30	-	—
D, bbls. 280 lbs.	5.30	-	—
E, bbls. 280 lbs.	5.50	-	—
F, bbls. 280 lbs.	6.20	-	—
G, bbls. 280 lbs.	6.40	-	—
H, bbls. 280 lbs.	6.40	-	—
I, bbls. 280 lbs.	6.40	-	—
K, bbls. 280 lbs.	6.40	-	—
M, bbls. 280 lbs.	6.40	-	—
N, bbls. 280 lbs.	6.80	-	—
W. G., bbls. 280 lbs.	7.25	-	—
W. W., bbls. 280 lbs.	7.90	-	—
X, bbls. 280 lbs.	7.90	-	—
Rosin, wood, F. F. 280 lbs.	6.05	-	6.55
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.	**35.00**	**-**	**—**
l.c.l., ex whse. ton.	**50.00**	**-**	**—**
Import., lump., bbls. lb.	**.12**	**-**	**—**
powd., bbls. lb.	**.08¼**	**-**	**.10**
Rue, bls. lb.	**.15**	**-**	**.16**

S

Sabadilla seed, powd., bbls. lb.	.19	-	.20
Saccharin, dms., 100 lbs. lb.	1.70	-	—
cns., 25 lbs. lb.	1.75	-	2.05
Safflower, bls. lb.	.24	-	.25
Saffron, Mexican, bls. lb.	.28	-	.29
Spanish, tins. lb.	27.00	-	28.00
Safrol, cns. lb.	.52	-	.53
dms. lb.	.50	-	.51
Sage, Dalmatian, stemless. lb.	.05¾	-	.06
garden, bls. lb.	.06¼	-	.06½
Sago flour, bgs. lb.	.02½	-	.03¼
Salicin, bots., 5 lbs. lb.	5.00	-	—
cns., 25 lbs. lb.	4.75	-	—
Salol, gran., bbls., 200 lbs. lb.	.90	-	—
bxs., 25 lbs. lb.	.93	-	—
kgs., 100 lbs. lb.	.90	-	—
powd., fib. dms., 25 lbs. lb.	1.03	-	—
kgs., 100 lbs. lb.	1.00	-	—
Salt, rock, bgs., dlvd., N. Y. ton.	13.20	-	13.80
l.c.l., bgs., dlvd., N.Y. ton.	15.00	-	15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y. ton.	15.30	-	—
l.c.l., dlvd., N. Y. ton.	16.30	-	21.00
Saltcake, grd., dom., bbls., works, ton.	19.00	-	25.00
bulk, works ton.	15.00	-	—
import, bulk, c.i.f. ton.	15.00	-	16.00
Chrome (see Chrome cake).			
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls. 100 lbs.	7.50	-	8.25
1-9 tons 100 lbs.	7.65	-	8.40
less than ton lots. 100 lbs.	7.90	-	8.65
gran., bbls., 10-20 tons. 100 lbs.	6.50	-	—
1-9 tons 100 lbs.	6.65	-	—
less than ton lots. 100 lbs.	6.90	-	—
powd., bbls., 10-20 tons. 100 lbs.	7.50	-	—
1-9 tons 100 lbs.	7.65	-	—
less than ton lots. 100 lbs.	7.90	-	—
Santonin, cryst., cns. lb.	21.00	-	22.00
Saponin, crude, cns. lb.	1.45	-	—
purified, bots, 5 lbs. lb.	1.65	-	—
cns., 25 lbs. lb.	1.50	-	—
Sarsaparilla root, Honduras, bls. lb.	.40	-	.41
Mexican, bls. lb.	.16	-	.18
Sassafras, bark, ord., bls. lb.	.13	-	.15
select, bls. lb.	.18	-	.20
Savory, bbls. lb.	.07½	-	.08
Saw palmetto berries, bgs. lb.	.07	-	.07½
Scammony root, bgs. lb.	.06	-	.07
Schaeffer's salt, bgs. lb.	.46	-	—
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't. lb.	.13¾	-	—
smaller lots. lb.	.14¾	-	—
kegs, 5,000 lbs., 1 shipm't. lb.	.14¾	-	—
smaller lots. lb.	.14⅝	-	—
Selenium, pwd., A, 10-lb. tins. lb.	2.00	-	—
100-lb. cases lb.	1.75	-	—
Senega, root, bls. lb.	.57	-	.58
Senna leaves, Alexandria, bls. lb.	.10	-	.14
siftings, bls. lb.	.10	-	.11
Tinnevelly, No. 1, bls. lb.	.09	-	.10
2 bls. lb.	.07	-	.08
3 bls. lb.	.05½	-	.06
powd., bbls., bxs. lb.	.09	-	.10
Pods, bls. lb.	.05½	-	.06
Serpentaria root, bls. lb.	.75	-	.80
Shellac, bleached, bonedry, bbls., f.o.b., N.Y. lb.	.19	-	.20
dlvd. Boston lb.	.19½	-	.20½
Chicago lb.	.19¾	-	.20¾
Pacific Coast lb.	.22	-	.23
refd., bbls., f.o.b. N.Y. lb.	.25	-	—
dlvd. Boston lb.	.25½	-	—
Chicago lb.	.25¾	-	—
Pacific Coast lb.	.28	-	—
Garnet, bgs. lb.	.12½	-	.13
Orange, D.C., VSO., Diamond, cases. lb.	.20	-	.21
Superfine, bgs., f.o.b. Bost., N. Y. lb.	.11	-	.11½
dlvd. Chicago lb.	.11½	-	.12
Pacific Coast lb.	.14½	-	.15
T.N., bgs., f.o.b. Bost. N.Y. lb.	.10½	-	.11
dlvd. Chicago lb.	.11	-	.11½
Pacific Coast lb.	.13½	-	.14
Shellac varnish, orange, 5-lb. cut, bbls. gal.	.90	-	.95
4½-lb. cut, bbls. gal.	.85	-	.90
4-lb. cut, bbls. gal.	.80	-	.85
white, 5-lb. cut, bbls. gal.	1.00	-	1.10
4½-lb. cut, bbls. gal.	.95	-	1.05
4-lb. cut, bbls. gal.	.90	-	1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works. ton.	17.00	-	—
l.c.l., 2½ tons, works. ton.	19.00	-	—
smaller lots, works. ton.	20.00	-	—
wet-grd., 95-97%, 325 mesh., bgs., c.l., works. ton.	18.00	-	—
l.c.l., 2½ tons, work. ton.	19.50	-	—
smaller lots, works. ton.	21.00	-	—
400 mesh, bgs., c.l., works, ton.	35.00	-	—
l.c.l., 2½ tons, works. ton.	36.50	-	—
smaller lots, works. ton.	38.00	-	—
96-98%, 325 mesh., bgs., c.l., works. ton.	20.00	-	—
l.c.l., 2½ tons, works. ton.	21.50	-	—
smaller lots, works. ton.	23.00	-	—
99%, 325 mesh bgs., c.l., works. ton.	22.00	-	—
l.c.l., 2½ tons, works. ton.	25.50	-	—
smaller lots. ton.	27.00	-	—
hard-quartz, 140 mesh, bgs., c.l., works. ton.	11.00	-	—
l.c.l., works. ton.	16.00	-	—
Silver bullion oz.	.42¾	-	—
Govt. purchase oz.	.6464	-	—
Nitrate, vis oz.	.31½	-	.33⅛
Nucleinate, bots., cns., 480 ozs., oz.	.30	-	.31
Proteinate, bots., cns., 480 ozs., oz.	.29	-	.30
Simaruba bark, bls. lb.	.28	-	.30
Skatol, bots. lb.	75.00	-	80.00
Skullcap, Eastern, bls. lb.	.20	-	.21
Western, bls. lb.	.14	-	.17
Skunk cabbage root, bls. lb.	.15	-	.17
Slate flour, bgs., c.l., works. ton.	9.00	-	—
l.c.l., works. ton.	10.00	-	15.00
Sloe berries, bgs. lb.	.10	-	.11
Smalt, black, extra velvet, cnts., lb.	.05	-	.08
Blue, cts. lb.	.07	-	.08½
Snakeroot, Canada, bls. lb.	.24	-	.26
Soapbark, bls. lb.	.07	-	.08
crushed, bls., bbls. lb.	.11	-	.12
cut, bls., bbls. lb.	.09	-	.10
powd., bbls. lb.	.13	-	.14
Soda, abietate, dms. lb.	.10	-	—
Soda acetate, anhyd., dms., dlvd. lb.	.08¼	-	.10
flake, gran., powd., 60%, dms., c.l., dlvd. lb.	.04	-	—
l.c.l., dlvd. lb.	.04½	-	.05
Alginate, dms. lb.	.69	-	—
Antimoniate, bbls. lb.	.12	-	.12½
Arsenate, dms., dealers, c.l., works. lb.	.08	-	—
l.c.l., dms., works. lb.	.08½	-	—
Arsenite, dry, gray, dms., c.l., dealers' works. lb.	.07½	-	.09½
l.c.l., dms., works. lb.	.08	-	.10
white, dms., c.l., dealers' works. lb.	.09	-	.11
l.c.l., dms., works. lb.	.09½	-	.11½
liquid, 50 gls., dms. gal.	.35	-	—
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.			
Ash, dense, 58%, bgs., c.l., works. 100 lbs.	1.10	-	—
l.c.l., Zone 1 100 lbs.	2.13	-	—
2 100 lbs.	2.28	-	—
3 100 lbs.	2.33	-	—
4 100 lbs.	2.93	-	—
bbls., c.l., works. 100 lbs.	1.35	-	—
l.c.l., Zone 1 100 lbs.	2.35	-	—
2 100 lbs.	2.50	-	—
3 100 lbs.	2.75	-	—
4 100 lbs.	3.15	-	—
bulk, c.l., works. 100 lbs.	.95	-	—
extra light, 58%, bgs., c.l. 100 lbs.	1.08	-	—
l.c.l., Zone 1 100 lbs.	2.08	-	—
2 100 lbs.	2.23	-	—
3 100 lbs.	2.48	-	—
4 100 lbs.	2.88	-	—
bbls., c.l., Zone 1 100 lbs.	1.45	-	—
2 100 lbs.	2.60	-	—
3 100 lbs.	2.80	-	—
4 100 lbs.	3.25	-	—
l.c.l., Zone 1 100 lbs.	2.45	-	—
bulk, c.l. 100 lbs.	.90	-	—
light, 58%, bgs., c.l., works, 100 lbs.	1.05	-	1.08
l.c.l., Zone 1 100 lbs.	2.08	-	—
2 100 lbs.	2.23	-	—
3 100 lbs.	2.48	-	—
4 100 lbs.	2.88	-	—
bbls., c.l., works 100 lbs.	1.35	-	—
l.c.l., Zone 1 100 lbs.	2.35	-	—
2 100 lbs.	2.50	-	—
3 100 lbs.	2.75	-	—
4 100 lbs.	3.15	-	—
bulk, c.l. 100 lbs.	.90	-	—

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss. Mo. (except St. Louus), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wchita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more. lb.	.39	-	—
1,000 to 3,900 lbs. lb.	.40	-	—
900 lbs. or less. lb.	.43	-	—
USP, bbls., 4,000 or more. lb.	.46	-	—
1,000 to 3,900 lbs. lb.	.47	-	—
900 lbs. or less. lb.	.50	-	—
dms., 4,000 lbs., or more, lbs.	.47	-	.48
1,000 to 3,900 lbs. lb.	.48	-	.49
900 lbs. or less. lb.	.51	-	.52
Bicarbonate, USP, gran., bbls., c.l., works. 100 lbs.	2.25	-	—
powd., bbls., c.l., works, 100 lbs.	1.85	-	—
l.c.l., dlvd. N. Y. 100 lbs.	2.51	-	—
kgs., c.l. 100 lbs.	2.10	-	—
l.c.l., dlvd. N. Y. 100 lbs.	2.76	-	—
tech., bbls., c.l., wks. 100 lbs.	1.70	-	—
l.c.l. 100 lbs.	2.05	-	—
bgs., c.l. 100 lbs.	1.55	-	1.60
l.c.l., bgs. 100 lbs.	1.90	-	1.95
Bichromate, spot, c.l., works, lb.	.06⅞	-	—
l.c.l., 6 cks, or 10 bbls. or over, works. lb.	.07	-	—
5 cks, or 9 bbls. or less, works. lb.	.07¼	-	—
Bifluoride, bbls. lb.	.12½	-	.15
Bisulphite, powd., bbls., c.l., bbls., wks. 100 lbs.	3.30	-	3.35
l.c.l., works. 100 lbs.	3.50	-	3.60
Solution, 32 deg., bbls., c.l., works. 100 lbs.	1.30	-	—
l.c.l., bbls., works. 100 lbs.	1.55	-	—
33 deg., bbls., c.l., works, 100 lbs.	1.35	-	—
l.c.l., bbls., works. 100 lbs.	1.60	-	—
35 deg., bbls., c.l., works, 100 lbs.	1.40	-	—
l.c.l., bbls., works. 100 lbs.	1.65	-	—
40 deg., bbls., works. 100 lbs.	1.55	-	—
l.c.l., bbls., works. 100 lbs.	1.80	-	—
Bromide, USP, gran., bbls., 500 lbs. lb.	.31	-	—
fiber dms., 100 lbs. lb.	.32	-	—
Cacodylate bots., 5 lbs. lb.	5.81	-	—
jars 25 lbs. lb.	5.50	-	—
Carbonate (see Soda ash, soda memohydrated, soda sal)			
Caustic, flake, 76%, 1, gr., powd., ammon. process, bbls., c.l., works. 100 lbs.	2.95	-	—
dms., c.l., works. 100 lbs.	2.70	-	—
l.c.l., Zone 1. 100 lbs.	3.55	-	4.90
2 100 lbs.	3.70	-	5.05
3 100 lbs.	3.95	-	5.30
4 100 lbs.	4.25	-	5.70
electro process, dms., c.l., works. 100 lbs.	2.70	-	—
l.c.l., same zone prices as ammonia process.			
liquid, 47-49% buyer's tanks, works. 100 lbs.	1.92½	-	—
seller's tanks, works, 100 lbs.	1.95	-	—
70%, buyers' tanks, works, 100 lbs.	1.97½	-	—
seller's tanks, works, 100 lbs.	2.00	-	—
solid, 76%, ammon. process, dms., c.l., works. 100 lbs.	2.30	-	—
l.c.l., Zone 1. 100 lbs.	3.15	-	—
2 100 lbs.	3.30	-	—
3 100 lbs.	3.55	-	—
electro process, dms., c.l., works. 100 lbs.	2.30	-	—
l.c.l., same zone prices as ammon. process.			

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works. lb.	.06¼	-	—
l.c.l., works. lb.	.06¼	-	—
powd., bgs., c.l., works. lb.	.06½	-	—
l.c.l., works. lb.	.07	-	.08½
Soda citrate, U.S.P., VIII, gran., bbls. 250 lbs.	.19¼	-	—
cns., 50 lbs. lb.	.21¼	-	—
25 lbs. lb.	.23½	-	.24½
kgs., 100 lbs. lb.	.20½	-	—
USP XI, gran., bbls., 250 lbs. lb.	.26	-	—
cns., 50 lbs. lb.	.28	-	—
25 lbs. lb.	.30	-	.31
kgs., 100 lbs. lb.	.27	-	—
powd., bbls., 250 lbs. lb.	.28½	-	—
cns., 50 lbs. lb.	.25½	-	—
25 lbs. lb.	.30½	-	.31½
kgs., 100 lbs. lb.	.27½	-	—
Cyanide, 96-98%, dom., dms. lb.	.14	-	.15
import, 96%, cs. lb.	.12¾	-	.13¾
Diacetate, 33-35% acidity, bbls., dlvd. lb.	.09	-	—
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila. lb.	.07¼	-	—
l.c.l., 10 or over, same basis. lb.	.07¾	-	—
5-9, same basis. lb.	.08¼	-	—
1-4, same basis. lb.	.08¾	-	—
95%, bbls., c.l., same basis, lb.	.07½	-	—
l.c.l., 10 or over, same basis. lb.	.08	-	—
5-9 same basis. lb.	.08¼	-	—
1-4, same basis. lb.	.08¾	-	—
Soda fluoride prices at Los Angeles are f.a.s. Phila.			
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots. lb.	1.00	-	—
smaller lots. lb.	1.15	-	—
cns., 25 lbs. lb.	1.40	-	—
powd., bbls., 1,000-lb. lots. lb.	1.05	-	—
smaller lots. lb.	1.20	-	—
cns., 25 lbs. lb.	1.45	-	—
Hydrosulphite, bbls. lb.	.16	-	.17
Hydroxide, USP., sticks, cns. 100 lbs.	.20½	-	.22
Hypophosphite, N.F., cns. 100 lbs.	.67	-	—
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs.	2.25	-	—
bbls., same basis. 100 lbs.	2.45	-	—
l.c.l., bgs., wks., frt. equal'd. 100 lbs.	2.50	-	—
bbls., same basis. 100 lbs.	2.70	-	—
100 lbs.	2.40	-	2.60
pea, bgs., c.l., works. 100 lbs.	2.60	-	—
bbls., works. 100 lbs.	2.80	-	—
dms., works. 100 lbs.	3.10	-	—
5,000 lbs., and over, bgs., works. 100 lbs.	2.75	-	3.00
bbls., wks. 100 lbs.	2.95	-	3.20
dms., wks. 100 lbs.	3.25	-	3.60
2,500 to 5,000 lbs., bgs., wks. 100 lbs.	2.85	-	3.10
bbls., wks. 100 lbs.	3.05	-	3.30
dms., wks. 100 lbs.	3.35	-	3.60
500 to 2,500 lbs., bgs., wks., 100 lbs.	3.10	-	3.35
bbls., wks. 100 lbs.	3.30	-	3.55
dms., wks. 100 lbs.	3.60	-	3.85
less than 500 lbs., bgs., wks, 100 lbs.	3.70	-	3.95
bbls., wks. 100 lbs.	3.90	-	4.15
dms., wks. 100 lbs.	4.20	-	4.45
Iodate, jars lb.	5.02	-	5.07
Iodide, jars lb.	2.10	-	—
bots. lb.	2.21	-	2.47
Mandelate, bots., 5 lbs. lb.	3.30	-	—
fib. dms., 25 lbs. lb.	3.15	-	—
Metanilate, kgs. lb.	.41		Nom.
Metasilicate, ground, dms., c.l., works. 100 lbs.	3.15	-	—
l.c.l., works. 100 lbs.	3.40	-	—
cryst., dms., c.l. 100 lbs.	2.90	-	—
gran., bbls., c.l., works. 100 lbs.	2.20	-	—
Molybdate, kgs., wks. lb.	.60	-	—
less kgs. lb.	.65	-	—
Monohydrated, bbls. 100 lbs.	2.60	-	—
works 100 lbs.	2.30	-	—
Naphthenate, bbls. lb.	.19	-	—
Naphthionate, bbls. lb.	.50	-	—
Nitrate, crude, c.l., 100-lb. bgs., Nov.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment. ton.	29.00	-	—
200-lb. bgs., same basis. ton.	28.30	-	—
bulk, same basis. ton.	27.00	-	—
rfd., gran., bbls., 10 tons, 100 lbs.	2.50	-	—
1-9 tons 100 lbs.	2.65	-	—
smaller lots. 100 lbs.	2.90	-	—
pwd., bbls., ton lots. 100 lbs.	5.65	-	—
smaller lots. 100 lbs.	5.90	-	—
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized. lb.	.06¾	-	—
c.l., West Coast, f.o.b. f.o.b. ports. lb.	.08	-	—
l.c.l. lb.	.08¼	-	.11¼
Soda nitrite l.c.l. price range represents delivery at various points.			
Oxalate, neut., bbls. lb.	.09	-	—
kgs. lb.	.11	-	—
Perborate, N.F., bbls., c.l., works. lb.	.14¾	-	—
l.c.l., works. lb.	.15¼	-	—
Phosphate, dibasic, tech., bgs., c.l., works. 100 lbs.	1.85	-	—
l.c.l., works. 100 lbs.	2.25	-	—
bbls., c.l., works. 100 lbs.	2.05	-	—
l.c.l., works. 100 lbs.	2.40	-	—
monobasic, anhyd., bbls., c.l., 100 lbs.	7.45	-	—
l.c.l. 100 lbs.	8.20	-	—
tribasic, bgs., c.l., works, 100 lbs.	2.00	-	—
l.c.l., works. 100 lbs.	2.40	-	—
bbls., c.l., works. 100 lbs.	2.20	-	—
l.c.l., works. 100 lbs.	2.60	-	—
kgs., c.l., works. 100 lbs.	2.70	-	—
l.c.l., works. 100 lbs.	3.10	-	—
Picramate, kgs. lb.	.65	-	—
Prussiate, yellow, bbls., works. lb.	.09¼	-	.10
Pyrophosphate, anhyd., c.l., bgs., wks., frt. equal'd. 100 lbs.	5.90	-	—
bbls., c.l., same basis, 100 lbs.	6.10	-	—
10,000 lbs. or over, bgs., same basis. 100 lbs.	6.25	-	—
bbls., same basis. 100 lbs.	6.45	-	—
less than 10,000 lbs., bgs., same basis. 100 lbs.	6.90	-	—
bbls., same basis. 100 lbs.	7.10	-	—
Ricinoleate, tech., bbls. lb.	.12	-	—
Sal, bgs., dlvd., N. Y. 100 lbs.	1.20	-	—
works 100 lbs.	1.00	-	—
bbls., dlvd. N. Y. 100 lbs.	1.30	-	—
works 100 lbs.	1.10	-	—
Salicylate, bxs. lb.	.52	-	—
Sesquisilicate, dms., c.l., works, 100 lbs.	3.00	-	—
20 dms., and up, dlvd. N.Y.C. 100 lbs.	3.65	-	—
5-19 dms. 100 lbs.	4.10	-	—
1-4 dms. 100 lbs.	4.30	-	—
Silicate, 40° turbid., dms., c.l., works. 100 lbs.	.60	-	—
l.c.l., 5 or more, works, 100 lbs.	1.05	-	—
1-4, works. 100 lbs.	1.20	-	—
52°, dms., c.l., works. 100 lbs.	1.40	-	—
l.c.l., 5 or more, works, 100 lbs.	1.65	-	—
1-4, works. 100 lbs.	1.80	-	—
Silicofluoride, dom., bbls. lb.	.04¾	-	.05
import, bbls. lb.	.04¼	-	.04¾
Stannate, dms. lb.	.31½	-	.34½
Stearate, lump, powd., bbls., works. lb.	.19	-	.24
Sulphate, anhyd., bgs., bbls., c.l., works. 100 lbs.	1.45	-	1.65
Soda, sulphate, anhyd., bgs., 5 tons or over, works, 100 lbs.	1.70	-	1.90
less than 5 tons, works, 100 lbs.	1.95	-	2.15
cryst. (see Glauber's salt).			
Sulphide, cryst., bbls., c.l., works. 100 lbs.	2.25	-	—
l.c.l., 5 tons or over, dlvd., 100 lbs.	2.75	-	—
less than 5 tons, dlvd., 100 lbs.	3.00	-	—
solid, bbls., c.l., works. 100 lbs.	3.00	-	—
l.c.l., 5 tons or over, dlvd., 100 lbs.	5.50	-	—
less than 5 tons, dlvd., 100 lbs.	3.75	-	—
Sulphite, cryst., bgs., 100 lbs., works. lb.	2.10	-	2.35
bbls. 100 lbs.	2.30	-	2.55
powd., bbls., c.l. 100 lbs.	5.25	-	—
l.c.l., 5 or more. 100 lbs.	5.50	-	—
1-4 100 lbs.	6.00	-	—
Sulphocarbolate, cs. lb.	.27	-	.28
Sulphocyanide, dms., cns. lb.	.28	-	.47
Sulphoricinoleate, bbls. lb.	.12	-	—
Thiosulphate (see hyposulphite).			
Tungstate, CP, kgs. lb.	1.75	-	1.85
tech., kgs. lb.	1.05	-	1.10
Solvent, high-flash, dms., works, frt., equald. gal.	.31	-	—
tanks, same basis. gal.	.26	-	—
naphtha, solvent, dms., works, gal.	.31	-	—
tanks, E. of Omaha, frt., alld. gal.	.26	-	—
W. coast, f.o.b., Minnequa, Colo. gal.	.26	-	—
Sorbitol, com'l, solut., dms., c.l., works. lb.	.15½	-	—
l.c.l. lb.	.16	-	—
Sparteine sulphate, cns. oz.	1.00	-	1.05
Spearmint leaves, bls. lb.	.18	-	.19
Spikenard root, bls. lb.	.12	-	.17
Spruce extract, bbls., works. lb.	.01¾	-	—
tanks, works. lb.	.01¼	-	—
powd., bgs. lb.	.04	-	—
super, bbls., works. lb.	.01¾	-	—
tanks, works. lb.	.01⅜	-	—
Squawvine leaves, bls. lb.	.15	-	.16
Squill red, bls. lb.	.14	-	.19
white, bls. lb.	.06	-	.07
powd., bbls., bxs. lb.	.12	-	.13
St. Ignatius beans, bgs. lb.	.45	-	.50
St. John's bread, bls. lb.	.06¼	-	.07
Starch, corn, pearl, bgs., f.o.b. Chicago. 100 lbs.	2.40	-	2.60
dlvd., N. Y. 100 lbs.	2.75	-	2.95
powd., bgs., f.o.b. Chicago, 100 lbs.	2.50	-	2.70
dlvd., N. Y. 100 lbs.	2.85	-	3.05
Potato, dom., bgs. lb.	.04	-	.05
import, bgs. lb.	.05	-	.06
Rice, bbls. lb.	.06¼	-	.07¼
Wheat, thick boil, bbls. lb.	.06¼	-	—
Staveacre seed, bgs. lb.	.17	-	.18
Stearin, oleo, bbls. lb.	.06½	-	.06¾
Stillingia root, bls. lb.	.08	-	.09
Stonecrop, bls. lb.	.07¼	-	.08
Storax, cs. lb.	.48	-	.49
Stramonium leaves, bls. lb.	.13	-	.14
seed, bgs. lb.			
Strontium bromide, fib, dms. lb.	.57	-	.58
kgs., 150 lbs. lb.	.55	-	—
Carbonate, N.F., IV, 250-lb. bbls. lb.	.30	-	—
25-lb. bxs. lb.	.35	-	—
100-lb. kgs. lb.	.32	-	—
Chloride, bbls. lb.	.13¼	-	—
Iodide, bots., 5 lbs. lb.	2.90	-	—
jars, 25 lbs. lb.	2.85	-	—
Nitrate, dom., bbls., c.l., works. lb.	.07¾	-	—
25 bbls. and over. lb.	.08¼	-	—
1-4 bbls. and over. lb.	.08¾	-	—
import, bbls. lb.	.07¾	-	.08¾
Strophanthus seed, Kombe, bgs. lb.	1.10	-	1.15
Styralyl acetate, bots. lb.	6.75	-	7.00
Strychaine, cryst., cns., 100-oz. lots. oz.	.50	-	—
powd., cns., 100-oz. lots. oz.	.40	-	—
Acetate, 25-oz. cns., 100-oz. lots. oz.	.66	-	—
Arsenate, 25-oz. cns., 100-oz. lots. oz.	.68	-	—
Arsenite, 25-oz. cns., 100-oz. lots. oz.	.66	-	—
Glycerophosphate, 25-oz. cns., 100-oz. lots. oz.	.67	-	—
Hydrochloride, 25-oz. cns., 100-oz. lots. oz.	.66	-	—
Hypophosphite, 25-oz. cns., 100-oz. lots. oz.	.77	-	—
Nitrate, 25-oz. cns., 100-oz. lots. oz.	.60	-	—
Phosphate, 25-oz. cns., 100-oz. lots. oz.	.67	-	—
Sulphate, cryst., cns., 100-oz. lots. oz.	.42	-	—
powd., cns., 100-oz. lots, oz.	.32	-	—
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works. lb.	.45	-	—
tech., bbls., l.c.l., works. lb.	.40	-	—
Sugar coloring, bbls. gal.	.70	-	1.10
Milk., bbls., c.l. lb.	.15	-	—
l.c.l., 10 or over. lb.	.16	-	—
less than 10. lb.	.17	-	—
Sulfanilamide, 5 lb. bots. lb.	1.90	-	—
fib., dms., 1,000 lbs., 1 delivery, lb.	1.50	-	—
100 lbs. lb.	1.55	-	—
Sulphonethylmethane, kgs. lb.	6.75	-	6.80
Sulphonmethane, kgs. lb.	5.25	-	5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.	16.00	-	—
ex vessels, Atlantic seaboard. long ton.	20.50	-	—
Flowers, bgs., c.l., works. 100 lbs.	3.00	-	—
bbls., works. 100 lbs.	3.25	-	—
l.c.l., bgs., works. 100 lbs.	3.25	-	3.75
bbls., works. 100 lbs.	3.70	-	4.10
refined, broken, bgs., c.l., works. 100 lbs.	2.15	-	—
bbls., works. 100 lbs.	2.30	-	—
l.c.l., bgs., works. 100 lbs.	2.50	-	2.90
bbls., works. 100 lbs.	2.65	-	3.05
flour, comm'l, bgs., c.l., works, 100 lbs.	1.65	-	—
bbls., c.l., works. 100 lbs.	1.95	-	—
l.c.l., bgs., works. 100 lbs.	1.95	-	2.35
bbls., works. 100 lbs.	2.60	-	2.70
extra fine, bgs., c.l., works, 100 lbs.	2.85	-	—
bbls., works. 100 lbs.	3.20	-	—
heavy, bgs., c.l., works, 100 lbs.	2.55	-	—
bbls., works. 100 lbs.	2.90	-	—
l.c.l., bgs., works, 100 lbs.	2.90	-	3.30
bbls., works. 100 lbs.	3.25	-	3.65
light, bgs., c.l., works, 100 lbs.	2.65	-	—
bbls., works. 100 lbs.	3.00	-	—
l.c.l., bgs., works, 100 lbs.	3.00	-	3.40
bbls., works. 100 lbs.	3.35	-	3.75
rock, virgin, bbls., c.l., works, 100 lbs.	2.30	-	—
l.c.l., bbls., works. 100 lbs.	2.15	-	—
roll, bgs., c.l., works. 100 lbs.	2.35	-	—
bbls., works. 100 lbs.	2.50	-	—
l.c.l., bgs., works. 100 lbs.	2.70	-	3.10
bbls., works. 100 lbs.	2.85	-	3.25
Chloride, 55-gal. dms., c.l. lb.	.03	-	—
l.c.l., dms., works. lb.	.04	-	—
10-gal. dms., c.l. lb.	.07	-	—
l.c.l. lb.	.08	-	—

Sulphur, dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots.. tars.....lb. 3 90 - —
Sumac, grd., Sicilian, bls....ton.66.00 - —
leaf, bales.....ton.68.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs. .....lb. .04½- .05
poultry, bgs.....lb. .03¾- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

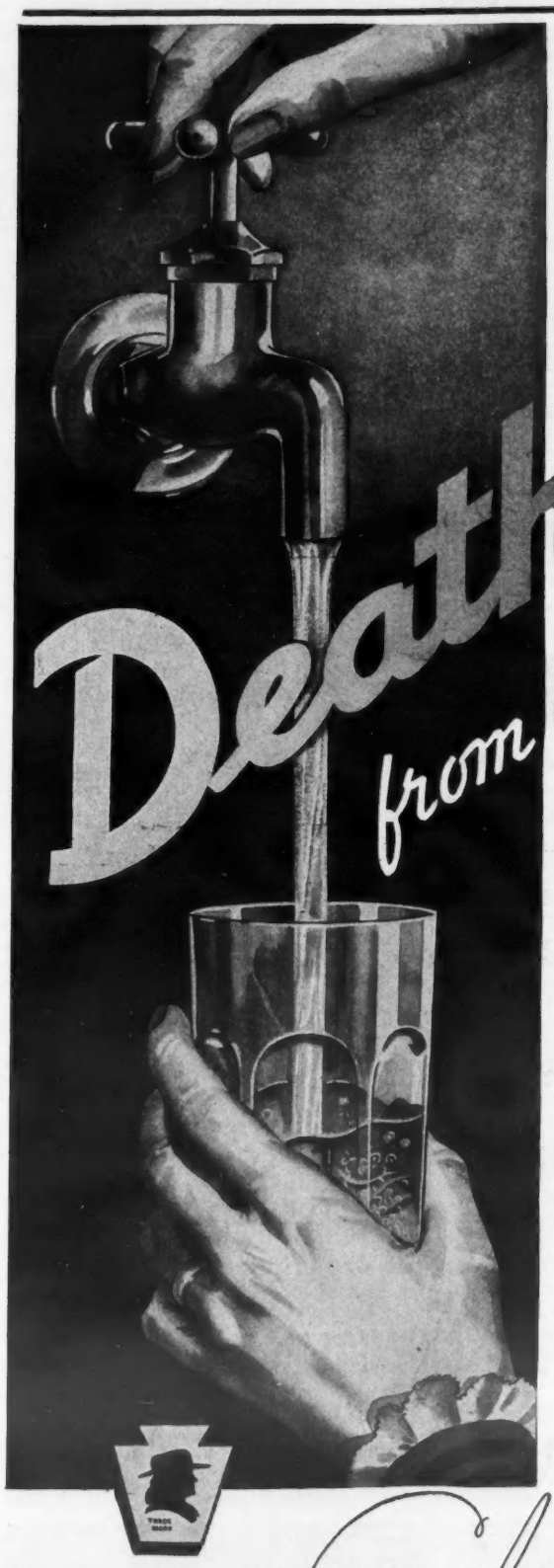
Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-mag. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .07½- .07⅝
extra, loose, works.....lb. .05½- —
special, loose, works.....lb. .05 - —
vegetable, ship., cs.....lb. .07½- .08
sulphonated 35% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l. .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .06½- .07
l.c.l. .....lb. .07½- .08
50% (48% fat), dms c.l..lb. .07 - .07½
l.c.l. .....lb. .08 - .09
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.75 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton. 2.75 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.65 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.85 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f. ports ship. unit-ton. 3.00 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .04
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .25 - —
25%, dms., c.l., works.....gal. .25½- —
l.c.l., same basis.....gal. .28½- —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. No prices
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms. .....lb. .09½- —
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .12 - .12½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .44½- .45
Crystals, bbls., kgs.....lb. .36½- .37
Metal, Straits.....lb. .4665- —
Oxide, bbls.....lb. .50 - .52
Tetrachloride, anhyd., bbls...lb. .23¾- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .15 - —
Pac. cst., f.o.b. terminals, lb. .15 - —
l.c.l., 5 tons, E., dlvd....lb. .15¼- —
Pac. cst., ex whse....lb. .15¼- —
1,000-9,999 lbs., E. dlvd.lb. .15½- —
Pac. cst., ex whse....lb. .15½- —
50-999 lbs., E. dlvd.....lb. .15¾- —
Pac. cst., ex whse....lb. .15¾- —
under 50 lbs., E. dlvd..lb. .18 - —
Pac. cst., ex whse....lb. .18 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .15¼- —
l.c.l., 5 tons, E. dlvd.....lb. .15½- —
1,000-9,999 lbs., E. dlvd.lb. .15¾- —
50-999 lbs., E. dlvd.. b. .16 - —
phthalate-treated, bgs., c.l., (20 tons), E. frt. alld.lb. .23 - —
Pac. cst., f.o.b. terminal.lb. .23 - —
l.c.l., 5 tons, E. dlvd....lb. .23¼- —
Pac. cst., ex whse..lb. .23¼- —
1,000-9,999 lbs., E. dlvd.lb. .23½- —
Pac. cst., ex whse....lb. .23½- —
50-999 lbs., E. dlvd.....lb. .23¾- —
Pac. cst., ex whse..lb. .23¾- —
under 50 lbs.....lb. .26 - —
Titanium dioxide, phthalate-treated, bbls., c.l. (20 tons), E. frt. alld..lb. .23¼- —
l.c.l., 5 tons, E. dlvd...lb. .23½- —
1,000-9,999 lbs. E. dlvd.lb. .23¾- —
50-999 lbs., E. dlvd....lb. .24 - —
pigment, barium, calcium, or magnesium base, c.l., E. frt. alld.....lb. .05⅝- —
Pac. cst., f.o.b. terminal. lb. .05⅝- —
l.c.l., dlvd.....lb. .06⅝- —
Pac. cst., ex whse..lb. .06⅝- —
under 50 lbs., E. dlvd.lb. .06⅝- —
bbls., c.l., E., frt. alld...lb. .05⅝- —
l.c.l., E., dlvd.....lb. .06⅛- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .44 - .45
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .30 - .35
root, bls.....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, cs. .....lb. 1.00 - 1.15
Surinam, cs. .....lb. 1.15 - 1.20
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works. lb. .77 - —
l.c.l. works.....lb. .80 - —
Tributylamine, dms., c.l., works. lb. .67 - —
l.c.l. .....lb. .70 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .48
Tributylamine, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms.....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
500 lbs., dlvd.....lb. .37½- —
tech., 1, dms., c.l. .....lb. .23 - —
500 lbs., dms.....lb. .23½- —
less than 500 lbs., dms.lb. .26½- .37½
2, dms., c.l. .....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethylenegtycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms.. dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).

Sulphur—Uva Ursi

Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.00
Oxide, CP, kgs.....lb. 2.65 - 2.75
tech., kgs. .....lb. 1.85 - 1.95
Turmeric root, Alleppey, bgs..lb. .05½- .05⅝
Madras, bgs.....lb. .06¼ Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28½- —
l.c.l., 10, ex dock.....gal. .30½- —
5, ex dock.....gal. .32½- —
wood, dest. dist., dms., dlvd. E. cities, ports..gal. .22 - .24
tanks, dlvd. E. cities....gal. .20 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. No prices.
Uva ursi leaves, bls.....lb. .08¼- .08¾



Death flowed from a thousand faucets.

AN EPIDEMIC! Raging through a town, typhoid fever often poured its danger into every home through the kitchen faucet.

Prior to 1910 this dread disease regularly claimed more than twenty thousand lives a year.

Typhoid fever is only one of the many water-borne diseases that have been controlled through the chemical purification of municipal water supplies. Chlorine was first used for this purpose in 1910. And today, with a population one-third greater, the nation has less than a tenth as many typhoid deaths as then.

Pennsylvania Salt Manufacturing Company has played a leading part in the production of chemicals and the development of processes for safeguarding the nation's water supply. Chemicals for this purpose must be exceedingly pure and uniform... a requirement that this Company meets unusually well because of its high manufacturing standards in the production of chemicals for industry. The services of our technical staff are always available to help with your difficult problems.

Some leading products of Pennsylvania Salt Manufacturing Co.
KRYOLITH (Natural Greenland Cryolite) · CHLORINE · SODIUM ORTHOSILICATE · CARBON TETRACHLORIDE · CARBON BISULPHIDE · CAUSTIC SODA

PENNSYLVANIA SALT MANUFACTURING CO. · Est. 1850
Widener Bldg., Philadelphia, Pa.
New York · Chicago · St. Louis · Pittsburgh · Tacoma · Wyandotte

PENNSYLVANIA SALT Chemicals

Valerian—Yellow Ocher

V

Valerian root, bls.....lb. .09 - .10
Valonia, beards, bgs., shipt..ton.46.00 - —
Cups, bgs., shipt.....ton.31.00 - —
extract, powdered, 69%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 4.10 - 4.75
Mexican, tins.....lb. 4.50 - 5.00
cut, tins.....lb. 4.00 - 4.25
South American, tins.....lb. 3.90 - 4.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.10 - —
5-lb. tins.....lb. 2.20 - —
Vanillin, ex guaiacol, 10c. per lb. less
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs., gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .40 - .41
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt.....ton.38.00 -40.00
Extract, bbls. .....lb. .04½- —
Wax, bayberry, import, bgs...lb. .16½- .17
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
Wax, bees, yellow, crude, Africa, bgs., lots of 10.....lb. .20½- .21
1 bg.....lb. .21 - .21½
Brazil, Chile, bgs., 5-10 tons, lb. .22 - .22½
1 ton.....lb. .22½- .23
500 lbs. .....lb. .24 - .24½
100 lbs.....lb. .23 - .23½
refd., slabs, cs., lbs.....lb. .32½- .35
Candelilla, bgs., 1 ton.....lb. .15¼- .15¾
jobbing lots.....lb. .15¾- .16¼
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .31 - .33
5 bgs.....lb. .31½- .33½
1 bg.....lb. .32 - .34
N. C. 2, bgs.....lb. .37 - .37½
N. C. 3, bgs., 1 ton.....lb. .31½- .33
5 bgs.....lb. .32 - .33½
1 bg.....lb. .32½- .34
refined, bgs.....lb. .36½- .37
yellow, No. 1, bgs., 1 ton..lb. .40 - .40½
5 bgs.....lb. .40½- .41
1 bg.....lb. .41 - .41½
No. 2, bgs.....lb. .39 - .39½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10 - .10¼
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11½
less than 1 ton.....lb. .11½- .11¾
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Wax, paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs. .....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more...lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., works..ton.16.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60- 18.50
Paris white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Whiting, limestone, air floated, 99.75%, 250 mesh, paper bgs., c. l.....ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
99% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., ..extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF. bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .10 - .11
Levant, bgs.....lb. 5.70 - 5.75
Wormwood, bls.....lb. .08 - .09

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., wks.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .27 - —
tanks, E. of Omaha, frt., alld., gal. .22 - —
10°, dms., works.....lb. .24 - —
tanks, E. of Omaha, frt. alld., gal. .20 - —
Xylidin, mixed, dms.....lb. .25 - .34

Y

Yara yara, cryst., cns.....lb. 1.35 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.75
lithopone, all shades, bbls. 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis. lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. .85 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order .....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.57 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import, lb. .02475- —
New York (f.o.b.) lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575- —
New York .....lb. .02½- —
ex-dock Phila., for import..lb. .02¾- —
Portland, Seattle....lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03¾- —
Minneapolis .....lb. .03½- —
New York .....lb. .02¾- —
Pittsburgh .....lb. .03½- —
Portland, Seattle....lb. .03¾- —
San Pedro, S. Francisco..lb. .03½- —
f.o.b. N. Y., from dock, lb. .02¾- —
from whse. .....lb. .02¾- —

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INTERMEDIATES

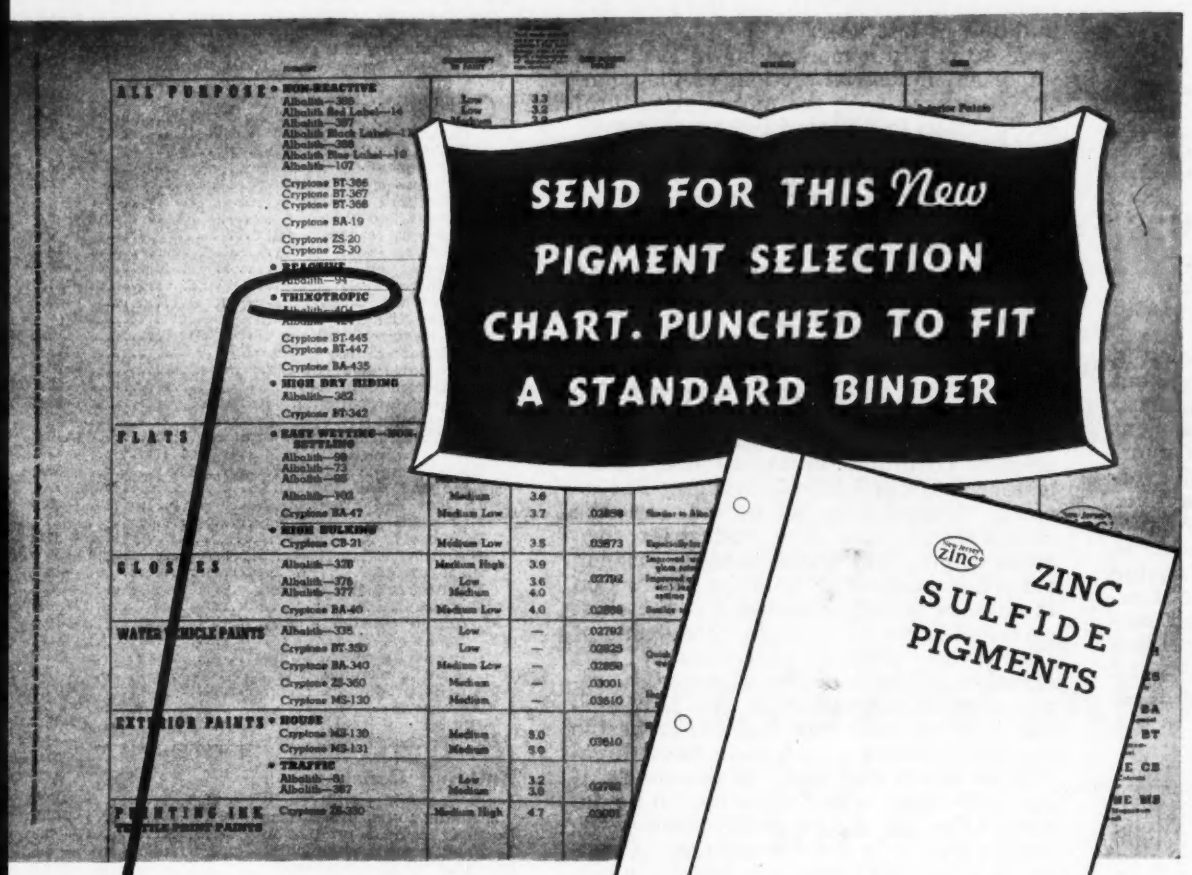
Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N. Y.	lb.	.04½-	—
l.c.l., same basis	lb.	.04¾-	—
synth., bbls., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06¾-	—
Persian orange (see O).			
Zinc, bbls., same basis chrome CP. contracts	lb.	.18 -	—
open order	lb.	.19 -	—
Yellow dock root, bls.	lb.	.09 -	.10
Yellow root (xanthoriza), bls.	lb.	.09 -	.10
Yerba santa leaves, bls.	lb.	.08 -	.08½
Yohimbine hydrochloride, vls.	oz.	2.50 -	2.55

Z

Zinc acetate, tech., bbls., dlvd.,	lb.	.21 -	—
USP., bbls., 250 lbs.	lb.	.27 -	—
kgs., 100 lbs.	lb.	.29 -	—
Arsenate, bgs., cs., c.l., dealers, E. of Rockies	lb.	.12½-	—
c.l., bgs., cs.	lb.	.13 -	—
E. of Rockies	lb.	.12½-	—
W. of Rockies, bgs.	lb.	.12½-	—
Arsenite, bgs., cs., c.l., dealers, l.c.l., bgs., cs.	lb.	.13 -	—
W. of Rockies, bgs.	lb.	.12¾-	—
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.			
Carbonate, tech., bbls.	lb.	.14 -	.18
USP, precip., powd., bbls.	lb.	.31 -	—
dms.	lb.	.36 -	—
kgs.	lb.	.33 -	—
Chloride, fused, dms., c.l., works	100 lbs.	4.25 -	—
l.c.l., works	100 lbs.	4.60 -	
gran., dms., c.l., works, 100 lbs.		5.00 -	—
l.c.l., dms., works.	100 lbs.	5.75 -	—
USP, 200-lb. dms.	lb.	.25 -	—
25 lb. jars	lb.	.31 -	—
solut., dms., wks.	lb.	.04½-	—
tanks	lb.	.0223-	—
Cyanide, kgs., works	lb.	.33 -	—
Dust, bbls., c.l., dlvd.	lb.	.0705-	—
l.c.l., bbls., dlvd.	lb.	.0755-	—
Fluoride, bbls.	lb.	.20 -	.25
Iodide, N.F., bots.	lb.	4.35 -	—
jars	lb.	4.20 -	—
Metal (see daily quotations in Market report)			
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼-	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	.07⅝
ex whse., Pac. cst.	lb.	.06½-	.07⅝
bbls., c.l., dlvd.	lb.	.06¾-	.08
ex whse., Pac. cst.	lb.	.06¾-	.08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06½-	—
l.c.l., dlvd., except ex whse., Pac. cst.	lb.	.06⅝-	—
bbls., c.l., dlvd.	lb.	.06⅝-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06⅝-	—
ex whse., Pac. cst.	lb.	.06⅝-	—
35%, bgs., c.l., dlvd.	lb.	.0590-	—
l.c.l., dlvd., except Pac. cst.	lb.	.0615-	—
ex whse., Pac. cst.	lb.	.0615-	—
Zinc, oxide, pigment, Amer., process, coml., leaded, 35%, bbls., c.l., dlvd.	lb.	.0615-	—
l.c.l., dlvd., except Pac. cst.	lb.	.0640-	—
ex whse., Pac. cst.	lb.	.0640-	—
50%, bgs., c.l., dlvd.,	lb.	.0592-	—
l.c.l., dlvd., except Pac. cst.	lb.	.0617-	—
ex whse., Pac. cst.	lb.	.0617-	—
bbls., c.l., dlvd.	lb.	.0617-	—
l.c.l., dlvd., except Pac. cst.	lb.	.0642-	—
ex whse., Pac. cst.	lb.	.0642-	—
French process, com'l, lead-free bgs., c.l., dlvd.	lb.	.06¼-	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	.07⅝
ex whse., Pac. cst.	lb.	.06½-	.07⅝
bbls., c.l., dlvd.	lb.	.06½-	.07⅝
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	.08
ex whse., Pac. cst.	lb.	.06¾-	.08
green seal, bgs., c.l., dlvd.	lb.	.08 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¼-	—
ex whse., Pac. cst.	lb.	.08¼-	—
bbls., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08½-	—
ex whse., Pac. cst.	lb.	.08½-	—
red seal, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.07¾-	—
ex whse., Pac. cst.	lb.	.07¾-	—
bbls., c.l., dlvd.	lb.	.07¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08 -	—
ex whse., Pac. cst.	lb.	.08 -	—

Yellow Oxide—Zirconium

Zinc oxide, French process, white seal, bgs., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¾-	—
ex whse., Pac. cst.	lb.	.08¾-	—
bbls., c.l.	lb.	.08¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.09 -	—
ex whse., Pac. cst.	lb.	.09 -	—
import, gold seal, cks., ex whse.	lb.	.13 -	.14
green seal, bbls., ex whse.,	lb.	.10 -	—
white seal, cks., ex whse.,	lb.	.11 -	.12½
USP, bbls., c.l.	lb.	.09½-	—
Palmitate, bbls.	lb.	.23 -	.25
Resinate, fused, pale, bbls.	lb.	.10 -	—
precip., dms., dlvd.	lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20 -	—
l.c.l., 1 ton.	lb.	.21 -	—
1,000-2,000 lbs.	lb.	.22 -	—
less than 1,000 lbs.	lb.	.23 -	—
U.S.P., bbls.	lb.	.21 -	.28
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75 -	—
l.c.l.	100 lbs.	3.50 -	—
bbls., c.l.	100 lbs.	2.90 -	—
l.c.l.	100 lbs.	3.65 -	—
flake, bgs., c.l.	100 lbs.	3.10 -	—
l.c.l.	100 lbs.	3.83 -	—
bbls., c.l.	100 lbs.	3.25 -	—
l.c.l.	100 lbs.	4.00 -	—
l.c.l.	100 lbs.	5.10 -	—
bbls., c.l.	100 lbs.	4.50 -	—
l.c.l.	100 lbs.	5.25 -	—
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.08¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09¾-	—
bbls., c.l. (20 tons), dlvd.	lb.	.09¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09¾-	—
Sulphocarbolate, NF, bbls.	lb.	.24 -	.26
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 -	—
l.c.l., works	100 lbs.	5.50 -	—
Zinc-iron oxide, pigment, bgs., c.l. dlvd.	lb.	.05 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.05½-	—
ex whse., Pac. cst.	lb.	.05½-	—
Zirconium nitrate, kgs., work.	lb.	3.00 -	4.00
Oxide, crude, 73-75%, grd., bbls., works.	ton.	75.00 -	100.00
kgs., small lots, works.	lb.	.04¼-	.04½
white, 98%, rgd., kgs., works,	lb.	1.40 -	1.53



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(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the November 7 issue; the next printing will be in the December 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 33.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Aromatics, synthetic:—Agency; Rio de Janeiro, Brazil (8295).

Chemicals, industrial:—Agency; Rio de Janeiro, Brazil (8285).

Chemicals, industrial:—Agency; Amsterdam, Netherlands (8350).

Disinfectants:—Agency; Bogota, Columbia (8295).

Drugs, crude:—Agency; Rio de Janeiro, Brazil (8285).

Essential oils'—Agency; Rio de Janeiro, Brazil (8285).

Lacquers, nitrocellulose:—Agency; Alexandria, Egypt (8283).

Oil, pine:—Purchase; Iquique, Chile (8296).

Paints:—Agency; Alexandria, Egypt (8283).

Paints:—Agency; Rio de Janeiro (8285).

Pharmaceuticals:—Purchase; Riga, Latvia (8281).

Pharmaceuticals:—Agency; Amsterdam, Netherlands (8350).

Pigments:—Agency; Santiago, Chile (8284).

Pigments:—Agency; Rio de Janeiro (8285).

Printing inks:—Agency; Rio de Janeiro, Brazil (8285).

Soaps:—Purchase; Nairobi, British East Africa (8286).

Soda, caustic:—Purchase and agency; Copenhagen, Denmark (8328).

Soda, caustic:—Purchase; Iquique, Chile (8296).

Soda metasilicate:—Purchase; London, England (8282).

Soda silicate:—Purchase; Iquique, Chile (8296).

Rosin:—Purchase; Iquique, Chile (8296).

Toilet preparations:—Agency; Rio de Janeiro (8285).

Toilet preparations:—Purchase; Nairobi, British East Africa (8286).

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

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Vol. 134 November 14, 1938 Number 20

Chemical Business Better During Third Quarter

—*Continued from page 3*

of industries showed a slight expansion in comparison with the second quarter, but averaged 14.9 percent smaller than in the third quarter of 1937. Both employment and payrolls throughout the third quarter, this year, were above the 1923-25 average—employment, 9.8 percent; payrolls, 16.7 percent. In this respect, this group of industries has long had a commendable position and this was emphasized during the third quarter when, in contradistinction to their higher rates just noted, employment in manufacturing in general was 16.8 percent below the 1923-25 average, and payrolls were 25.0 percent below. The chemical, oil, and drug industries cannot be visited with the popular blame of keeping men out of work and paying subnormal wages. It would be a national boon, and a real boom, if the employment and payroll records of all manufacturing were as far on the plus side as are those of the chemical, oil, and drug industries—that would mean employment for 32 percent more workers and an increase of 55 percent in the aggregate of factory payrolls.

The Outlook

Business developments during the third quarter were of such a nature that they afforded strong support for the belief that the upturn was basic. This support has been strengthened further since September 30, as the improvement expanded, and there is a deal of soundness in the expectation that business activities will measure close to the peak of 1937 early in the coming year. There is evidence also that the growing structure will be more permanently constructed than was the too rapid building in last year.

There is still a marked lag in the more important industrial sections of the country, compared with the more agricultural sections, but this is steadily being reduced, and because of a diminished farm income the comparison between the two is getting closer. Manufacturing industry will be wise to develop greater utilization of agricultural materials; for this is the best means of maintaining the desirable parity, from adverse changes in which peculiar theories and practices arise.

The future of the chemical, oil, and drug industries is tied in closely with that of business as a whole, they being a major source of the materials needs of all industry. There is encouragement in the brighter conditions in the automotive, the leather, and the textile industries. Particularly toward the last-named can the chemical, oil, and drug industries turn hopeful eyes. The textile industry is being earnestly advised to hold its production in close relation to demand, but the chief chemical interest lies in the broadening of the rayon division—part textile, part chemical. The adoption of rayon to replace cotton in automobile tires is of special interest; this may make it advisable for cotton planters to turn to the cultivation of less troublesome crops—weeds, if you will—from which cellulose can be derived. Perhaps the biggest promise in the textile field is in the development of synthetic fibers still newer, and reputedly better than rayon.

Progress of the housing program offers encouragement for the chemical, oil, and drug industries. This movement, because of the interest in prefabricated units, deserves much attention from all contributors to the supply of building materials and from potential suppliers of new materials.

Further expansion and new developments in the cultivation of oil-bearing crops and new adaptations of vegetable oils are matters of large import with respect to the future of the chemical, oil, and drug industries. Closely related to these in interest are the potential development of broader utilization of petroleum as a chemical base. Oils and resins and the many chemicals which make these more widely workable afford encouraging omens.

The future must adapt itself to the new wage and hour law. This adjustment will be slow; it may be somewhat difficult at first; but the elimination of low-pay competition will eventually be broadly beneficial.

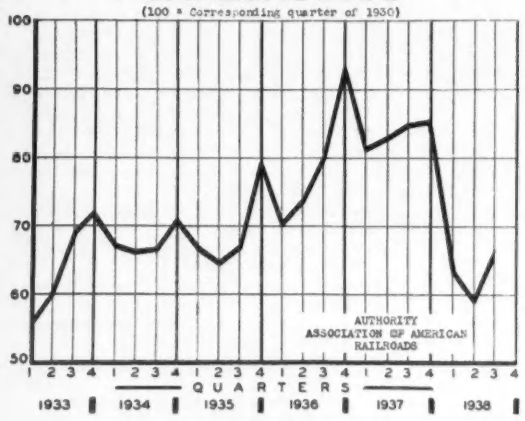
One unpredictable factor looms in any picture of the nearby business future of this country—the situation on the other side of the globe. The best view to take of this is that many troubles there will come to a head before next Summer; and the best policy is to prepare for such eventualities. So-called "normal" factors are diminishing in usefulness as guides. The objective for which to strive is an all-round and all-through sounder business structure, built on and of the best human relations. It is now imperative that less attention be given to manifestations of symptoms of internal trouble, and more to diagnosis and remedial treatment of the underlying causes.

General Statistical Record

Data contributed to the REPORTER's business survey or collated from a variety of relevant sources present the following picture of elemental factors in the business situation during the third quarter of 1938, or for other periods or specific dates as designated; particulars of the ten divisions of the chemical, oil, and drug industries are given in the respective market commentaries farther below (the figures in the tabulation represent percentage changes from the third quarter of 1937 or from other periods as indicated):—

Production	
Industrial production	—23.7
Manufacturing industries	—24.6
Chemicals, oils, drugs	— 7.3
(Data for the several groups are given in the respective market comments below)	
Ammonia (NH_3) (coke plant)	—41.8
Benzol (by-product coke plants)	—49.8
Carbon black (Texas)	—10.6
Cellulose plastics	—44.6
Corn grind	+40.1
Cottonseed oil, crude	— 2.0
Denatured alcohol	— 9.4
Gelatin, edible	— 9.3
Glycerin, crude	+ 5.3
Stocks (Sept. 30)	—16.2
Linseed oil	—34.9
Methanol	—36.1
Petroleum, crude (nine months)	— 4.7
Gasoline (nine months)	— 0.6
Motor fuel stocks (Sept. 30)	+ 5.1
Sulphur (Texas-Louisiana)	—29.3
Sulphuric acid (fertilizer mfrs.)	—29.9
Stocks (Sept. 30)	+22.8
Superphosphates	—22.5
Automobiles	—62.9
Rubber, crude, consumption	—16.2
Coke	—47.0
Glass, plate	—56.0
Lead and zinc	—36.4
Leather and products	— 3.7
Newsprint	—15.5
Iron ore	—67.8
Pig iron	—58.1
Steel ingots	—49.8
Steel barrels and drums	— 0.6
Textiles	— 6.9
Cotton consumption	—13.4
Hosiery	+ 3.7
Pyroxylin-coated fabrics	—31.9
Wool consumption	+11.5
Minerals production	—17.0
Anthracite	— 6.2
Bituminous coal	—20.5
Electric energy production	— 5.4
Building Construction	
Building permits and construction	+17.7
Dwelling units, urban, provided	+61.7
Portland cement production	— 6.3
Portland cement shipments	— 9.6
Prepared roofing shipments	+18.3

CARLOADINGS

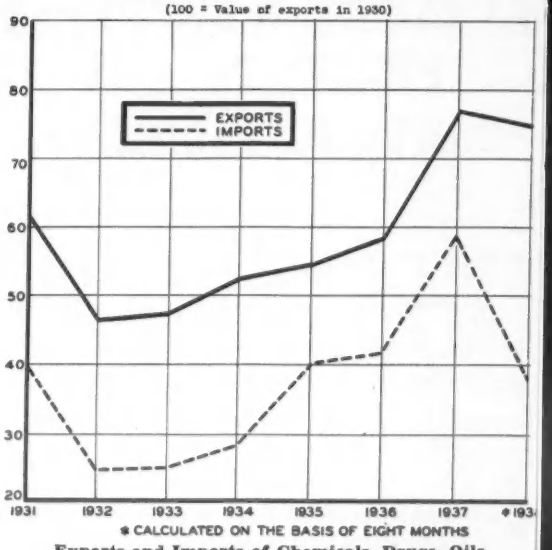

(100 = Corresponding quarter of 1930)
100
90
80
70
60
50
AUTHORITY ASSOCIATION OF AMERICAN RAILROADS
1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
QUARTERS
1933 1934 1935 1936 1937 1938

Car Loadings

	Number of cars— First quarter.	Second quarter.	Third quarter.	Fourth quarter.
1930....	11,269,184	11,931,392	11,953,125	10,561,378
1931....	9,372,110	9,648,375	9,701,222	8,429,542
1932....	7,335,790	6,592,030	6,864,872	7,367,260
1933....	6,249,295	7,095,005	8,270,380	7,605,372
1934....	7,563,168	7,871,455	7,908,468	7,500,869
1935....	7,510,681	7,665,376	7,962,361	8,365,716
1936....	7,907,214	8,683,656	9,587,722	9,884,715
1937....	7,098,639	9,829,467	10,110,739	8,954,083
1938....	7,158,227	7,038,776	7,948,796	.....

Yearly (52 weeks) totals:—	
1930	45,717,079
1931	37,151,249
1932	28,179,952
1933	29,220,052
1934	30,845,960
1935	31,504,134
1936	36,063,307
1937	37,992,928

TREND OF U.S. FOREIGN TRADE IN CHEMICALS, OILS, AND DRUGS



Exports and Imports of Chemicals, Drugs, Oils

	Exports.	Imports.
1930	$800,631,700	$479,635,000
1931	498,287,300	322,836,100
1932	368,655,200	199,138,300
1933	375,922,500	200,430,200
1934	413,472,400	227,433,600
1935	430,915,400	311,968,300
1936	463,234,000	333,519,400
1937	613,835,600	464,451,500
1938 (eight months)	397,893,700	201,898,600

EIGHTY-NINE YEARS OF EXPERIENCE

PFIZER QUALITY

Calomel

Mercury Oxide

Corrosive Sublimate

Ammoniated Mercury

CHAS. PFIZER & CO., INC.

Manufacturing Chemists

81 MAIDEN LANE, NEW YORK

444 W. GRAND AVE., CHICAGO, ILL.

Employment

Factory employment	—21.7
Capital goods industries	—32.7
Consumer goods industries	—11.0
Chemical, oil, and drug industries	—14.5
Factory payrolls	—28.1
Average weekly earnings	—10.8
Capital goods industries	—40.9
Average weekly earnings	—14.9
Consumer goods industries	—12.8
Average weekly earnings	— 4.0
Chemical, oil, and drug industries	—14.9
Average weekly earnings	— 0.9
Labor turnover	+10.7
Accessions	+39.2
Separations	—13.8

Sales

Manufacturers' sales	—19.4
Chemicals, oils, drugs sales (volume)	— 7.9
Chemicals, oils, drugs sales (value)	—12.9
Chemicals, oils, drugs inventories (Sept. 30)	+ 1.0
Chemical, oil, drug corporation earnings (Jan.-Sept.)	—63.4
Cosmetic sales	+30.8
Medicinal preparations sales	— 4.9
Paint and varnish sales	—21.5
Soap sales	+ 4.3
Automobile sales, manufacturers	—69.4
Retail	—48.2
Retail financing (new cars)	—60.2
Leather and products sales	— 5.6
Paper sales	—11.3
Rubber goods sales	— 3.4
Tires and tubes shipments	—24.6
Inventories, manufacturers' (Sept. 30)	—23.0
Steel barrels and drums shipments	— 1.6
Textiles and products sales	—19.9
Wholesale sales	—13.8
Drugs and sundries	— 7.4
Wholesale drug inventories (Sept. 30)	—10.0
Paints and varnishes	—14.6
Wholesale paint inventories (Sept. 30)	—11.5
Petroleum	— 6.2
Wholesale petroleum inventories (Sept. 30)	—11.7
Retail sales	—10.8
Chain stores	— 7.3
Drugs	— 5.7
Individual retailers	—14.2
Drugs	— 4.0
Filling stations	— 4.9
Department stores	— 9.0
Department store collections	— 1.3
Rural retail sales	— 5.2

Prices

Chemicals, oils, drugs prices (Sept. 30)	— 6.9
General wholesale prices (Sept. 30)	—12.2
Cost of living	— 3.3
Retail cost of food (Sept. 13)	— 1.6
Individual incomes (including benefits)	— 8.7
Pay of employees	—10.7
Dividends and interest	—13.2
Bank debits (Sept. 30)	— 6.9
Business loans (Sept. 30)	—19.2
Prices received by farmers	—23.0
Farm income (marketing and bonuses)	—14.4

Transportation

Railroad carloadings	—21.4
Truck freighting	— 4.7
Railroad operating income	—21.0

Foreign Trade

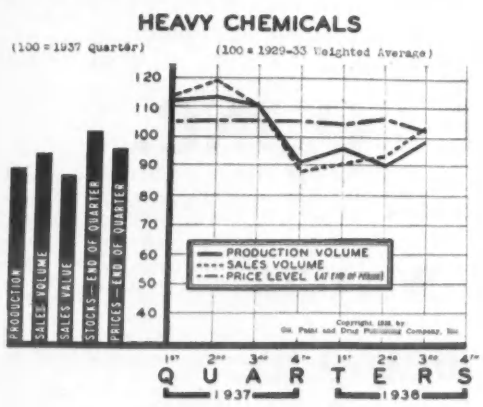
Exports of domestic goods (Jan.-Sept.)	— 3.0
Chemicals, oils, drugs (Jan.-Aug.)	+ 1.6
Imports for consumption (Jan.-Sept.)	—39.4
Chemicals, oils, drugs (Jan.-Aug.)	—35.6

Records of Chemical Groups

From individual records of third-quarter operations, conditions, and sentiment in the chemical, oil, and drug industries submitted for analysis in the REPORTER's nationwide survey, the following pictures of the several groups have been constructed:—

Heavy Chemicals

Barring a few scattered disruptions of labor relations, the heavy chemicals industry ran along steadily during the third quarter, finding a gradually increasing demand for its products, and stepping up production as this pressure justifies. Seasonal business was affected by the unseasonal weather, and did not measure up to the usual progress, but the aggregate volume was not discouraging. Prices were variously affected by trends in basic materials, especially the metals. The effects were not prolonged in most instances, and the general price trend had a noticeable downward direction. All things combined effected a substantial improvement in the sentiment.

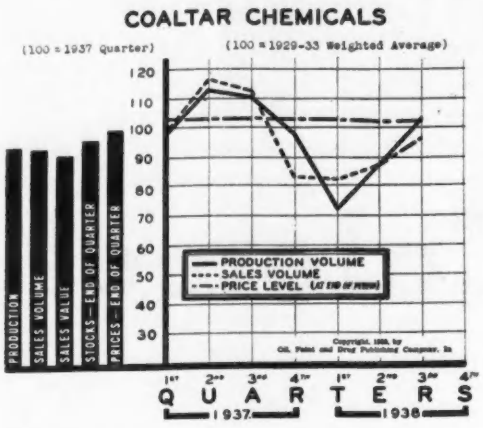


Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	—10.4
Sales volume	— 5.9
Sales value	—13.0
Stocks (Sept. 30)	+ 1.2
Prices (Sept. 30)	— 2.4
Change since January 1, 1938	— 2.4
Change since June 30, 1938	— 4.0
Exports (8 mos.)—$40,035,691	—12.5
Imports (8 mos.)—$19,452,234	—21.1
Credit conditions—Unchanged	
Outlook—Brighter	

Coaltar Chemicals

In the dyes division the coaltar chemicals industry was somewhat below par during the third quarter, because of curtailing labor developments among finishers of textiles and more particularly in fur-dyeing. Other divisions of the industry shared in the general business improvement and were helped along by diminishing imports. The supply of basic materials was not large, by reason of the low stage of iron and steel operations. Prices were not changed, the sentiment in this respect being one of at least fair expectation of improved demand.

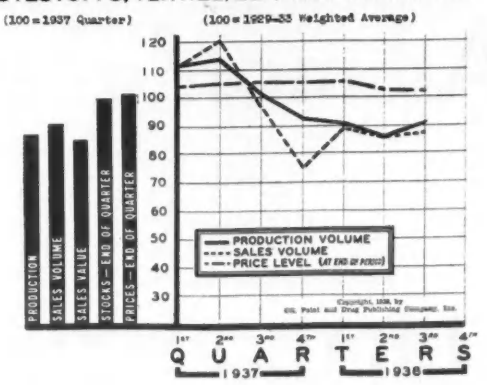


Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	— 6.2
Sales volume	— 7.0
Sales value	— 8.9
Stocks (Sept. 30)	— 3.8
Prices (Sept. 30)	— 1.9
Change since January 1, 1938	— 1.9
Change since June 30, 1938	0.0
Exports (8 mos.)—$397,893,671	+ 1.6
Imports (8 mos.)—$201,898,579	—35.6
Credit conditions—Unchanged	
Outlook—Brighter	

Dyestuffs, Textile, Leather Chemicals

Increasing activities in the textile and leather industries produced a much better demand for the chemical and related reagents used in these operations during the third quarter. Production was stepped up, and prices were moved to slightly higher levels on some imported materials because of increasing stringency of supplies. Inventories were substantially reduced, and the sentiment was greatly improved.

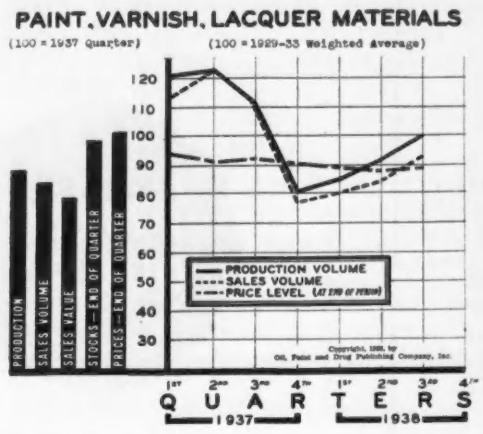


Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	—10.5
Sales volume	— 8.8
Sales value	—13.4
Stocks (Sept. 30)	+ 0.5
Prices (Sept. 30)	— 3.3
Change since January 1, 1938	— 3.2
Change since June 30, 1938	+ 1.2
Exports (8 mos.)—$4,700,725	+95.4
Imports (8 mos.)—$6,570,605	—52.5
Credit conditions—Slightly better	
Outlook—Brighter	

Paint, Varnish, Lacquer Materials

Increased buying capacity on the part of a large portion of the public made a better market for paints and related products during the third quarter and practically eliminated excessive stocks in manufacturers' hands. This was materially reflected in the materials field, and sales showed an encouraging upward trend. Productive activities were moved up in keeping with the bigger outgoing flow, and the general statistical condition showed a marked improvement over that in the preceding quarter. While the housing program did not come up to all expectations as a promoter of paint consumption, it had a noticeable effect. There remained some spots of pessimism, but the sentiment on the whole was more cheerful, even over the long pull.

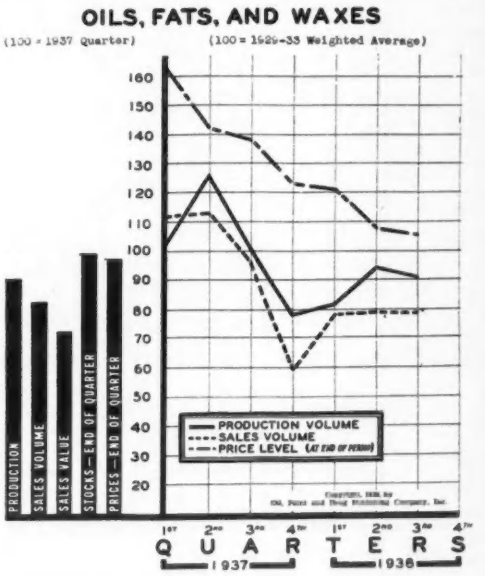


Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	—10.1
Sales volume	—15.8
Sales value	—21.7
Stocks (Sept. 30)	— 1.1
Prices (Sept. 30)	— 2.6
Change since January 1, 1938	— 0.4
Change since June 30, 1938	+ 1.4
Exports (8 mos.)—$26,674,114	—26.8
Imports (8 mos.)—$14,410,200	—32.5
Credit conditions—Unchanged	
Outlook—Brighter	

Oils, Fats, and Waxes

In comparison with the active industries of the chemical group, production and sales of oils, fats, and waxes were not so good during the third quarter although they were better than they had been in the preceding six months. Demand was steady and fairly large, but supplies were plentiful in all but the drying oils division, and competition among interchangeable materials was strong. The prolongation and aggravation of the disturbance in China caused a further stringency of supplies of Oriental oils, but there was no stimulating demand, consumers for the most part having anticipated their needs or turned to other oils, and the price structure of the market as a whole was further weakened. Expectations of improvement, especially because prices were really low, were the general order.



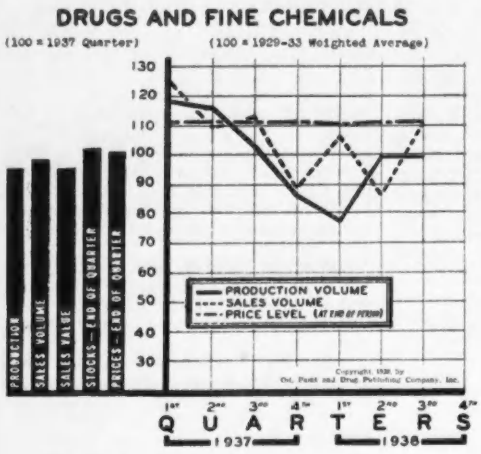
Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	— 9.9
Sales volume	—17.6
Sales value	—28.8
Stocks (Sept. 30)	— 0.4
Prices (Sept. 30)	—23.4
Change since January 1, 1938	—14.4
Change since June 30, 1938	— 2.4
Exports (8 mos.)—$21,490,498	+11.5
Imports (8 mos.)—$69,586,799	—52.6
Credit conditions—Better	
Outlook—Brighter	

Drugs and Fine Chemicals

Demand for drugs was kept close to day-to-day needs during the third quarter; manufacturers of medicinal preparations did not desire to reach far

into the future with the uncomprehended effects of the new Federal food, drug, and cosmetic act ahead of them—and, to an extent, the Wheeler-Lea advertising restrictions right before them. The seasonal preparation for Winter ills had its influence, however, and business was much better than it had been in the preceding quarter. Sales of materials got up to pretty near the 1937 mark; production



was increased a little in excess. On their wide industrial front, fine chemicals felt and responded to the general business improvement, but the effects were scattered by new developments, especially in solvents. Prices were turned upward in the drug division in consequence of increasing difficulty in getting supplies of certain imported articles. In spite of the certainty of applicable statutes and the uncertainty of world conditions, there was a substantial improvement in the general sentiment.

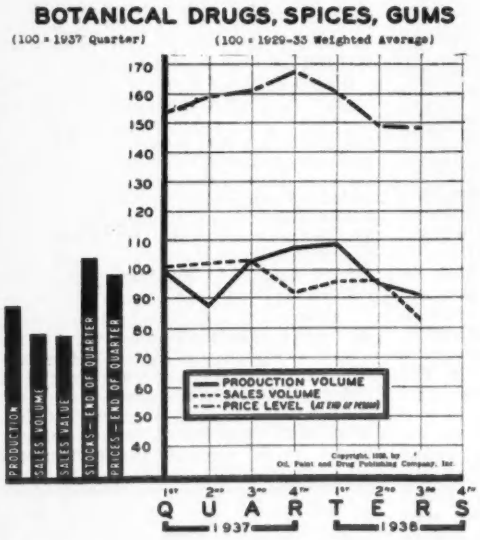
Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	— 4.5
Sales volume	— 1.9
Sales value	— 4.4
Stocks (Sept. 30)	+ 2.0
Prices (Sept. 30)	+ 0.1
Change since January 1, 1938	+ 0.4
Change since June 30, 1938	+ 0.7
Exports (8 mos.)—$20,650,088	— 2.1
Imports (8 mos.)—$9,877,117	—17.2

Credit conditions—Unchanged
Outlook—Brighter

Botanical Drugs, Spices, Gums

Business in the botanicals field slowed down during the third quarter, largely in the drug section. The recession was specially noticeable in the harvesting of domestic drug plants; although importations also were curtailed—and so were exports. The combined influences of these several factors effected



an increase in first-hand inventories. The new Federal drugs law has raised some uncertainties with respect to the future of botanical drugs, because of the official inclination to give unauthorized weight to "modern" opinion. The bigger supply of money in the pockets of the general public gives brightness to the outlook for comestible botanicals. The general business improvement is being reflected among botanicals used industrially. Out of these factors the industry as a whole has contrived a more optimistic view of the future.

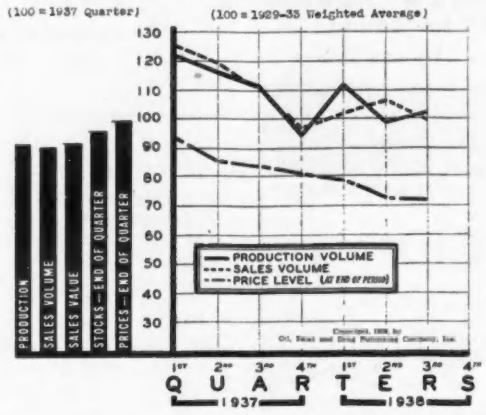
Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	—12.0
Sales volume	—21.0
Sales value	—21.1
Stocks (Sept. 30)	+ 4.8
Prices (Sept. 30)	— 8.1
Change since January 1, 1938	—11.5
Change since June 30, 1938	— 1.1
Exports (8 mos.)—$1,493,477	—25.5
Imports (8 mos.)—$16,935,423	—18.6

Credit conditions—Unchanged
Outlook—Brighter

Essential Oils, Aromatic Chemicals

The aromatics industry made a much better showing, in production and in sales, in the third quarter than it had made in the preceding three months. Its volume in both respects was still below the 1937 levels, however, but it was successful in reducing its stocks on hand to a more comfortable accumulation. There was nothing spectacular in this field during the third quarter; the price structure was far more stable than it had been for six months or more; and importations were decreased more by the sufficiency of supplies on hand than by the difficulty of getting oils which are produced in Oriental countries. The last factor doubtless had a part in the increasing of price stability. This industry did not expect to experience any disturbances through the application of the food and



drug law or the regulation of consumer advertising. Its expectations for the future were, consequently, better than they had been for some time, because of the generally better condition of all business.

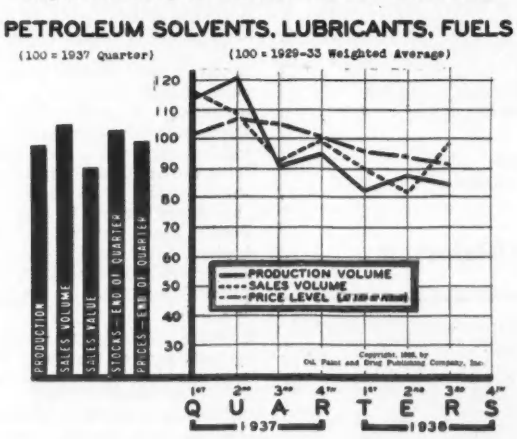
Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	— 8.8
Sales volume	— 9.5
Sales value	— 8.7
Stocks (Sept. 30)	— 3.8
Prices (Sept. 30)	—14.4
Change since January 1, 1938	—11.4
Change since June 30, 1938	— 1.0
Exports (8 mos.)—$1,889,753	— 5.5
Imports (8 mos.)—$3,939,304	—22.6

Credit conditions—Unchanged
Outlook—Brighter

Petroleum Solvents, Lubricants, Fuels

The petroleum industry continued to exercise a goodly measure of self-restraint during the third quarter on production of crude oil—its peculiar "buyer-sets-the-price" method was invoked at times



—and on refinery operations. The season was relatively free from gasoline price wars as a result, although there were a few—the industry would not "feel natural" without them. The price structure as a whole was far more stable than it had been for almost a year. Demand for solvents and other industrially used derivatives kept pace with the general increase in industrial activities, and in turn brought about a gratifying increase in producton. Sales ran ahead of the volume in the corresponding quarter in 1937. but substantially lower prices in some divisions kept the total value of sales below the preceding year's amount. Competition was keen, particularly in solid and liquid petrolatums, a mild price war developing in the latter article. The industry's evaluation of the future was improved.

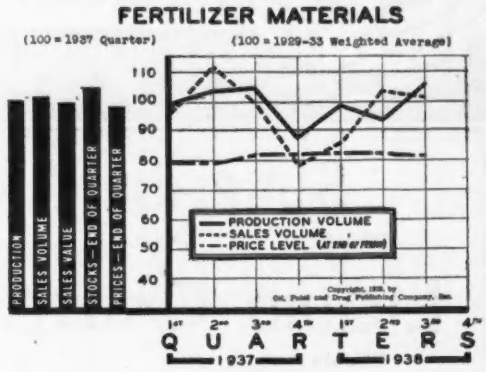
Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	— 1.4
Sales volume	+ 6.3
Sales value	— 9.1
Stocks (Sept. 30)	+ 3.5
Prices (Sept. 30)	—13.6
Change since January 1, 1938	— 9.2
Change since June 30, 1938	— 0.2
Exports (8 mos.)—$264,373,713	+ 9.5
Imports (8 mos.)—$27,012,788	+26.5

Credit conditions—Unchanged
Outlook—Brighter

Fertilizer Materials

Although prices of farm products did not improve substantially during the third quarter and the size of leading crops gave no promise of a boosting influence, the fertilizer industry did a better business, relatively speaking. in the third quarter than in the preceding period. This held good for the materials division, but production was speeded up a bit too much, so that inventories were enlarged. The price situation was almost as quiet as it had been, but a



slight reduction was made in the average. Credit conditions were bothering the industry further. Lower prices for mixtures were expected and predicted for next year in agricultural circles, and the poorer financial position of the farmer, in comparison with a year ago, made the eventuality of this expectation almost a certainty. For this reason the prevailing sentiment in the industry had a tinge of gloom at the end of the third quarter. There were, however, some optimistic spirits here and there, and the cooperative endeavor to teach the farmer the value of better fertilization will be carried on.

Data contributed to the REPORTER's survey for the third quarter indicate the following changes from the corresponding 1937 period:—

	Percent
Production	+ 1.1
Sales volume	+ 2.3
Sales value	+ 0.3
Stocks (Sept. 30)	+ 6.6
Prices (Sept. 30)	— 0.6
Change since January 1, 1938	— 0.6
Change since June 30, 1938	— 0.6
Exports (8 mos.)—$10,456,089	+0.04
Imports (8 mos.)—$24,381,646	—31.5

Credit conditions—Slightly poorer
Outlook—Slightly duller

Price Trends

Average prices at the end of the third quarter of 1938 and of 1937, with relation to those at the end of the similar period in 1936, compared as follows:—

(100 = Prices at September 28, 1936)

	1937.	1938.
Heavy chemicals	100.6	98.3
Coaltar chemicals	100.8	99.8
Dyestuffs, textile, leather chemicals	101.8	98.4
Paint, varnish, lacquer materials	103.9	101.2
Oils, fats, waxes	95.4	73.1
Drugs and fine chemicals	101.4	101.5
Botanical drugs, gums, spices	113.9	104.7
Essential oils, aromatic chemicals	107.6	92.0
Petroleum solvents, lubricants, fuels	111.9	96.7
Fertilizer materials	106.0	105.4
Average of all these markets	104.3	97.2

Turn to page 39 for Price Trend of Chemicals, Oils, Drugs: 1934-38

Copper Smelting and Refining Industry Better in 1937

A considerable increase in employment and large increase in wages and value of products were reported by copper smelters and refineries for 1937, as compared with 1935, according to preliminary figures compiled from returns of the recent Biennial Census of Manufacturers, released by the Bureau of the Census. The number of wage earners reported by this industry increased from 10,449 for 1935 to 14,514 for 1937, while wages paid increased from $11,154,196 to $20,941,462. The value of products of the industry amounted to $715,354,577 for 1937, against $348,257,026 in 1935. There were twenty-three establishments compared wtih twenty in 1935. Cost of materials, fuel and electric energy totaled $645,293,627 in 1937, against $310,797,456 in 1935.

Lead Smelters Reported Betterment in 1937

A considerable increase in employment, and a large increase in wages, and value of products were reported by lead smelters and refineries for 1937, as compared with 1935, according to preliminary figures compiled from returns of the recent Bienniel Census of Manufacturers, released by the Bureau of Census, Department of Commerce. The number of wage earners reported by this industry increased from 3,187 for 1935, to 4,036 for 1937, while wages paid increased from $3,423,931 to $5,546,558. The value of products amounted to $253,597,853 for 1937, against $137,219,290 reported for 1935. There were fourteen establishments in 1937, compared with sixteen in 1935. The cost of materials, fuel, etc., amounted to $234,071,820 in 1937, against $121,996,765 in 1935.

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Heavy Chemicals

Contract Renewals Make Their Appearance on Broader Scale —Cyanide, Glauber's Salt and Soda Phosphates Extended —Acetic, Muriatic and Sulphuric Acids Unchanged

The intervention of the elections in most sections of the country and a holiday reflected to a certain extent on the volume of business in the market for heavy chemicals last week. With the elections out of the way, however, sentiment later in the period seemed definitely improved. Sellers were directing their attention toward 1939 contract renewals at the same basis as now prevailing in practically all important industrial chemicals. Aside from the schedules extended in the past few weeks, several other chemicals were carried over into the next year on a firm basis. Price changes were confined to tin derivatives, including fractional advances for Straits tin, soda stannate, tin crystals, anhydrous tetrachloride and anhydrous stannous chloride of tin.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Soda stannate, ½c. per lb.
Stannous chloride, anhy., ½c. per lb.
Tin, Straits, ¼c. per lb.
crystals, ½c. per lb.
tetrachloride, anhy., ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
147.2	**147.2**	**147.2**	**154.3**

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Contracts were carried into the 1939 year at unchanged levels on alumina sulphate commercial, white sal ammoniac, cyanides, including cyanide-chloride mixtures, potash, soda, copper and zinc cyanides. Glauber's salt, soda hyposulphite, mono, di and tri soda phosphates, soda sulphide, zinc chloride and zinc sulphate. Some of the leading mineral acids were extended on the same basis for next year, such as sulphuric, acetic, formic, muriatic and nitric acids. There seemed to be no disposition to alter price schedules at this time in either direction, and with business showing improvement, and production costs to be taken into consideration, quotations were expected to maintain the firmer tone displayed recently. The market received a good deal of support from automotive operations, which continue to show gradual improvement, and the better trend in the metallurgical field. Steel operations were at the highest level so far this year. Other important consuming industries were maintaining recently improved operating levels.

Alums.—Contracts were carried over to next year at the same levels for commercial alumina sulphate; prices for the iron-free remained firm. A steady volume of business characterized the dealings for the various alums, and pricewise no developments occurred. September exports of alumina sulphate totaled 4,739,834 pounds, valued at $48,786, of which 3,584,544 pounds went to Canada; 896,000 pounds to China and 129,200 pounds to the Philippine Islands. Exports of other alum compounds during September amounted to 229,172 pounds, valued at $12,146.

Ammonia, Anhydrous.—Sellers were engaged in renewing contracts for next year at the same levels announced recently. Current business was along seasonally moderate lines. September exports aggregated 145,551 pounds, valued at $18,174.

Ammonia, Aqua.—Quotations for aqua ammonia in drums were firm for the first quarter of 1939 at the levels announced the previous week in the published nationwide schedule. The scheduled prices are subject to the usual quarterly adjustment clause. Trade was awaiting the tank car schedule, which was expected to be released in the near future. Business was maintained at moderately active levels in most sections.

Ammonia Bicarbonate. — Renewing contracts for next year at the same basis was progressing satisfactorily last week. Current business was along steady lines.

Ammonia Carbonate. — Usual consumers continue to supply a moderate amount of interest in this direction, and sellers were engaged with next year's contract renewals at the unchanged levels announced the previous period.

Ammoniac Sal.—Extension of contract prices for 1939 for the white material was reported at the same basis. Gray sal ammoniac quotations were renewed the previous week. A fair amount of business made its appearance in the market last week.

Antimony.—No change was reported in the price for domestic spot antimony, and price held at the 12¼c. level. Business was along quiet lines for the most part. The market for the oxide and needle powder continued featureless, with quotations unchanged.

Arsenic.—The call for the white and red material held at fair levels last week. Some interest was uncovered from the glass and tanning trade. Pricewise the market lacked any new developments, and a steady to firm price tone prevailed.

Bleaching Powder. — Good progress was reported in contract renewals for next year at the unchanged levels announced recently. Business in most major consuming lines was well sustained. A large Japanese bleaching powder company recently increased the quotations for bleaching powder about 25 sen per case. Increasing movement of stocks into consuming channels, due to sales campaigns staged by various producers, the increasing shipments to Karafuto and the rise in price of raw materials such as salt and limestone were held as cardinal reasons for the price increase, according to the American commercial attache at Tokio

Blue Vitriol.—A firm price tone continued to govern the dealings in this direction. The commercial and export withdrawals more than offset the normal seasonal decline in some sections for horticultural purposes. Demand for water treating purposes was well maintained. September exports aggregated 557,480 pounds, valued at $23,870, of which 297,555 pounds went to Mexico; 125,200 pounds to Honduras and 44,450 pounds to Colombia.

Calcium Chloride.—Preliminary work was practically finished for the Winter season campaign for ice control activities, and cooler weather was expected to reflect soon in the movement of this material into consuming channels. Other consumers were providing a modest interest in the market. Contract prices for next year will be on the same basis for various grades of calcium chloride as pointed out in the preceding week. September exports amounted to 2,578,440 pounds, valued at $44,488, of which 2,108,308 pounds went to Sweden and 322,548 pounds to Canada.

Chlorine.—Work was progressing favorably on contract renewals in tanks at the recently announced levels. Withdrawals in most major consuming channels was well maintained. September exports were 1,207,890 pounds, valued at $28,593, of which 1,058,192 pounds went to Canada.

Copper.—Quiet prevailed in the domestic copper market. Quotation was steady at the 11¼c. per pound level. Abroad, little in the way of activity was uncovered, with moderate tonnage usually the rule. Prices in the export market were firmer, however, with quotations ranging from 11.19c. to 11.34c. per pound.

Copper Salts.—Contract price was extended for copper cyanide during the next year at the same level. Other copper derivatives such as carbonate, chlo-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

ride, nitrate and oxides of copper were firm, and business was along moderately active lines.

Cyanide-Chloride Mixture. — Quotations for the 45 and 75 per cent material were extended for the 1939 contract year on the same basis as now prevailing. The call for metallurgical and plating purposes was steady last week.

Glauber's Salt.—Price schedule was carried over into next year at unchanged levels. The textile trade was coming in the market for moderate size commitments to take care of improved operating schedules.

Potash Carbonate.—Sellers were engaged in writing contracts for next year at the unchanged levels reported the preceding period. Volume of business in most directions was along improved levels.

Potash Caustic.—Contract renewals at the unchanged prices was progressing at a moderate pace at this time. Withdrawals in most consuming lines was at fair levels.

Potash Cyanide.—Quotations were extended for next year's contracts on the same basis as heretofore. The call for electroplating purposes was making a comparatively good showing.

Soda Ash.—Sellers were concerning themselves with contracts for next year at the unchanged basis reported recently. Volume of business was well maintained in practically all major consuming industries. September exports aggregated 6,460,090 pounds, valued at $98,398, of which 2,080,418 pounds went to Mexico; 790,982 pounds to Canada; 118,050 pounds to the United Kingdom; 402,926 pounds to Cuba; 621,090 pounds to Brazil; 308,688 pounds to British India; 1,008,023 pounds to China; 492,874 pounds to the Netherland Indies 224,070 poungs to Hongkong, and 141,225 pounds to the Philippine Islands.

Soda Bicarbonate.—A steady consuming interest was still in evidence from most major sources last week. A good amount of next year's contract renewal work was consummated last week. September exports totaled 2,133,837 pounds, valued at $32,622, of which 1,382,096 pounds went to Canada; 429,835 pounds to Mexico; 72,738 pounds to Colombia and 84,710 pounds to the Philippine Islands.

Soda, Caustic.—A good volume of business continued to make its appearance in most principal consuming channels again last week. A satisfactory amount of contract business was reported for next year at the same level as previously. Exports during September amounted to 17,562,468 pounds, valued at $361,314, of which 1,260,826 pounds went to Canada; 2,907,775 pounds to Mexico; 1,842,811 pounds to The Netherland West Indies; 3,310,950 pounds to Brazil; 1,568,553 pounds to China; 2,474,299 pounds to Netherlands Indies and 1,304,555 pounds to the Philippine Islands.

Soda Cyanide.—Quotations will be extended for next contract year at the same basis. In the meantime, business was making a comparatively good showing recently for electroplating and case hardening purposes. September exports totaled 91,862 pounds, valued at $11,655, of which 15,904 pounds went to Nicaragua; 15,440 pounds to Cuba; 34,500 pounds to Bolivia and 11,200 pounds to Peru.

Soda Hyposulphite.—Price schedule for various grades of material were being carried over into next contract year at the same levels. Interest from major consuming channels was well maintained, with textile trade providing a steady call.

Soda Phosphate.—Contract renewals were carried into 1939 at the same basis as now prevailing for the mono-di and tri soda phosphates. A broad demand continued to characterize the dealings in this direction. Exports during September totaled 602,516 pounds, valued at $27,419, of which 111,970 pounds went to the United Kingdom; 324,850 pounds to Canada; 89,600 pounds to Belgium; 15,050 pounds to Argentina and 14,625 pounds to Brazil.

Soda Silicate.—A steady to firm price tone governed the dealings throughout the past week, and business was holding at the moderately improved levels. September exports were 1,004,567 pounds valued at $15,804, of which 605,868 pounds went to Canada; 48,440 pounds to the United Kingdom; 236,350 pounds to Cuba and 83,148 pounds to the Philippine Islands.

Soda Stannate.—Quotations were fractionally higher at 31½c. to 34½c. per pound, reflecting the strength in the Straits metal. Business was along moderate lines for the most part.

Soda Sulphide.—Contract schedules were carried over into next year at unchanged levels. Withdrawals in the market were moderately active from most consuming sources last week.

Tin Salts.—Fractionally higher quotations for various tin derivatives was the general rule in the market last week. Tin crystals were quoted at 36½c. to 37c. per pound; anhydrous tetrachloride of tin 23¾c. per pound and anhydrous stannous chloride, 44½c. to 45c. per pound. Straits metal was 46.65c. per pound. September exports of tin compounds totaled 14,048 pounds, valued at $3,560.

Zinc Chloride.—Contracts will be extended for next year for the fused, granular and solution at unchanged levels. A moderate amount of business continued to make its appearance in most directions last week.

Zinc Cyanide.—Quotations held firm, and contracts were being renewed on the same basis for next year. A slightly improved demand was discernible in some directions recently.

Zinc Sulphate. — Schedules will be carried over into next contract year at the same levels as now prevailing. A moderate volume of business was uncovered in the market.

Acids

Contract announcements relative to quotations being carried over into the next year made their appearance in most of the important mineral acids last week. Volume of business remained steady in the majority of instances although elections and holiday influences restricted withdrawals to some degree. A steady to firm price tone continued to prevail. Contracts were renewed at the same basis for 1939 in acetic formic, muriatic, nitric and sulphuric acids.

Acetic.—Contracts will be carried over into next year at the same basis for various grades of acetic acid. Business continued to move in steady volume. Exports during September aggregated 9,411 pounds, valued at $1,203. Exports of acetic anhydride during September was 58,137 pounds, valued at $6,126.

Battery.—Business showed signs of moderate improvement. Quotations were held at the same levels as previously.

Chromic.—A steady to firm price tone remained in evidence, and trade was awaiting announcement on next year's contracts. Business was along steady lines.

Formic.—Contracts were extended for next year at unchanged levels. A moderate call was uncovered in practically all directions.

Muriatic.—Price schedule was carried over into the next contract year at the same levels. A steady interest was the rule in the market. September exports totaled 239,288 pounds, valued at $5,428.

Nitric.—Quotations were carried over into 1939 for contract renewals. Major consuming interests were making their appearance for fair-sized quantities last week.

Oxalic.—A satisfactory progress was reported for contract renewals at the recently announced unchanged levels. Market enjoyed a diversified consuming demand.

Sulphuric.—Contract renewals were carried over into next year for various grades of sulphuric acid at the same levels as now prevailing. Sentiment in the market appears much better, and with prices for next year out of the way, a continuation of the recent moderate improvement was to be looked for during the balance of the year at least. Steel operations continued to display upward tendencies, while rayon and other consuming industries were maintaining steady operating levels.

BALTIMORE, Nov. 9.—The inquiry from the fertilizer industry continued to be held down, this class of consumers having been by no means prominent in the acid market for some time. Prices remain nominally at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum is also unchanged at $17 per ton for 20 percent supplies.

Insecticides

Another quiet week prevailed in the market for agricultural insecticides and fungicides. A little activity was traceable to the Southern and Pacific coast

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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area, while export business was of a moderate character. The market failed to record any significant developments pricewise, and schedules were fully maintained at former levels. Calcium arsenate, lead arsenate and nicotine sulphate were all at seasonally dull levels.

Modification of the fruitfly regulations affecting the movement of products from Hawaii to the mainland was announced by the Bureau of Entomology and Plant Quarantine recently. Experimental work carried on at field stations of the bureau has developed the fact that exposure to heat or to cold under control conditions for a specified time will destroy immature stages of the Mediterranean fruitfly or the melon fly that may be present.

Calcium Arsenate. — Another quiet week prevailed in this direction. Commitments were of a seasonally dull character in practically all instances. Prices ruled unchanged. September exports aggregated 584,534 pounds, valued at $27,504, of which 223,270 pounds went to Argentina; 250,000 pounds to Colombia and 80,000 pounds to Peru.

Lead Arsenate.—Developments of importance were lacking in the market, and nothing of importance transpired in the price schedule. September exports were 133,773 pounds, valued at $12,401, of which 55,104 pounds went to Chile; 51,212 pounds to the Union of South Africa and 22,400 pounds to Argentina.

Nicotine Sulphate. — Seasonal quiet prevailed in this direction throughout the past week. Quotations ruled unchanged. September exports amounted to 25,592 pounds, valued at $14,813, of which 18,500 pounds went to Japan.

Chemists' Club Symposium To Hear Johnson O'Connor

Johnson O'Connor, director of the Human Engineering Laboratory of Stevens Institute of Technology, will be the guest at a symposium in the Chemists' Club, this city, November 16. In 1920 Mr. O'Connor, at the East Lynn plant of the General Electric Company, started making aptitude studies for employees of the company. In 1928 the Human Engineering Laboratory was affiliated with Stevens Institute, and the services of the laboratory were extended beyond the field of industrial testing. The meeting will begin at 8 p.m., preceded by a dinner at 7 p.m. in the club.

Monsanto Promotes Sturm

Fred Sturm, for some time in charge of the order department in the New York branch of the Monsanto Chemical Company, St. Louis, has been made office manager. His place at the head of the order department has been filled by the appointment of Martin Nelson. Victor E. Williams is branch manager for the company in New York.

Sulphuric Tanks to Get Test

The Interstate Commerce Commission has amended its explosives regulations to permit the trial use, until further order, of glass-lined, two-unit, fusion-welded tank cars for the transportation of water-white electrolyte-grade sulphuric acid.

Chilean Nitrate Sales Corporation, this city, resumes its Uncle Natchel radio program December 3 on two stations and December 4 on thirteen others. The program will dramatize Southern history. The programs will continue for approximately six months.

Chemical Engineers Ass'n Discusses Research

—Continued from page 5

Regarding industry's interest in certain changes in the patent system that are now being disclosed, Dr. Jewett said that fundamentally the changes that have been suggested and which seem to me most desirable, if they can be worked out, are of two kinds. One, he said, concerned with Patent Office procedure seeks to increase the presumption of validity of patents as they emerge from the office. The other has to do with legal proceedings and seeks to expedite, make more certain and less costly, litigation arising out of the employment of patents. He concluded by urging that as to both matters, industry has a large stake in forwarding anything which will make the operation of patent property more certain and less of a gamble.

Training Engineers

Training in chemical engineering for young men who aspire to high positions in business and industry was advocated by C. M. A. Stine and Chaplin Tyler, assistant director of public relations of E. I. du Pont de Nemours & Co.

The authors pointed out that although the present objective of chemical engineering courses in the universities is to prepare for technical careers in production, research, and engineering, the records of practicing chemical engineers is engaged in administrative, executive, and other non-technical capacities. There is hardly an industry which does not depend upon or is importantly related to chemical technology; therefore a knowledge of chemical technology can be very effective in advancing a man to the top positions in industry, the authors declared.

The popular belief that a new, rapidly growing industry such as synthetic chemicals does not have to worry about business cycles and depressions was pointed out as erroneous by Dr. D. P. Morgan, research analyst of Scudder, Stevens and Clark, New York.

He said that there has been so much emphasis on the rapid growth of certain chemical industries such as rayon and other synthetic products that many people think they are unique and different from other industries and do not respond to the effects of the general business cycle. He added that careful statistical analysis, however, proves that this is not the case, that in spite of a tremendous rate of growth these industries are affected by depressions and periods of prosperity in the same manner, if not to the same extent, as general business.

Dr. Morgan cautioned that people investing their money, time, or services in such industries should keep this in mind and not be misled by impressive trend curves that tell only part of the story. He showed that the five factors of production, employment, payrolls, prices and profits in the chemical industries show cyclical fluctuations that follow closely the pattern of the general business curve.

Conditioning of Water

Everett P. Partridge, of the Hall Laboratories, Inc., Pittsburgh, Pa., said that from the viewpoint of the chemical engineer, the proper conditioning of water for contemporary boilers is a never-ending series of problems in clarification, filtration, fluid flow, heat transfer and properties of materials, in the solution of which he must apply all that is known concerning the physical chemistry of aqueous solutions, the phenomena of the colloidal state, and the factors influencing corrosion.

He described the major developments in boiler design, the external softening of feed water, the internal conditioning of boiler water and the treatment of condenser cooling water during the past twenty years.

R. C. Gunness and J. G. Baker, Massachusetts Institute of Technology, in discussing "Performance of Commercial Perforated Plate Distillation" said that in two tests upon a commercial perforated plate column used for the stripping of alcohol from fermented molasses mash or "beer," an overall plate efficiency of 42 per cent was determined. With a plate spacing of 18 inches, the column operated with a superficial vapor velocity of 2.6 feet per second and an average vapor velocity through the one-half inch diameter perforations of seventeen feet per second. Bubble cap plates in a similar installation would probably have had a greater efficiency at the start of operations. However, the ease of fouling and difficulty of cleaning makes their use in such an installation inadvisable.

G. L. Cox, of the development and research division of the International Nickel Company, Inc., of New York, in discussing "The Corrosion of Metals in the Soap and Allied Products Industries" said that the results of a numbers of corrosion tests that have been made in operating plant equipment associated with the production of soaps, fatty acids and by-products from these processes are reported. These results were discussed in the light of plant experiences, and typical examples of service records were cited. The results indicated generally to serve as a useful guide in the selection of the proper materials for the construction of equipment handling these processes.

Chemical Stack Losses

H. S. Gardner, University of Rochester, Rochester, New York, and R. P. Whitney, Massachusetts Institute of Technology, Cambridge, Mass., presented a paper on the "Chemical Stack Losses From Soda Recovery Furnaces."

The paper stated that in producing pulp by the alkaline processes, chemical stack losses from the recovery furnaces constitute one of the major economic losses. This paper reported the results of stack loss measurements from a battery of four rotary furnaces burning black liquor from soda pulp manufacture and from a modern spray type stationary furnace burning sulfate black liquor. Sampling traverses were made in each flue, and the samples were withdrawn at duct velocity at each point. Dust was effectively absorbed in water by a series of bottles, in which the gas stream was broken up by passing through finely woven cloth bags. Experiments indicated that this method of absorption was more satisfactory than the use of alundum crucible or towers packed with glass wool.

Losses from the rotary furnaces were mainly sodium carbonate, amounting to thirty-five pounds per ton of pulp production, representing 3.3 percent of the chemical input to the furnaces. Losses from the spray furnace were mainly sodium sulfate, ninety-eight pounds per ton of pulp or 5.9 percent of the chemical input. Dust loadings were 0.44 grains per cubic foot of flue gas at the rotary furnaces, and 1.1 grains per cubic foot of the spray furnace. The value of the dust lost from each of the installations amounted to approximately $30 per day.

James G. Vail, of the Philadelphia Quartz Company, Philadelphia, Pa., discussed the development of the industrial activities in Philadelphia and environs from the days of the early settlers to the present time. Some interesting and little known facts about early manufacturers of chemical and pharmaceutical products were brought out.

Alkali Freights Cut in S.W.

The Interstate Commerce Commission has authorized publication of freight rates on caustic soda and soda ash from Houston, Texas, to destinations in the St. Louis and Kansas City areas at figures lower than rates maintained to intermediate points. The application was made by the Missouri-Kansas-Texas lines in order to meet competition.

O. R. Ames, construction superintendent of the duPont Dye Works, Deepwater, N. J., has been appointed assistant to H. B. Easton, chief of the duPont construction engineering unit.

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THE BARRETT COMPANY

40 Rector Street New York, N.Y.

Barrett CHEMICALS

Coaltar Chemicals

Phthalic Anhydride and Maleic Acid Prices Extended for 1939 —Cresol, Cresylic Acid and Phenol Moderately Active —Benzol Firm—Coaltar Colors Irregular

Dealings in the market for coaltar chemicals displayed irregularity last week. Some basic products were moving in more satisfactory volume, with the automotive industry providing the stimulus directly and indirectly. Maleic acid and phthalic anhydride quotations were extended at the same levels for next year. Announcements on 1939 contracts were awaited for basic coaltar chemicals. Prices remained unchanged in all divisions of the market.

Cresol, cresylic acid and phenol were moderately active, the synthetic resin and plastic trades continued to provide a broader demand. Benzol, toluol and xylol moved in steady fashion, with the lacquer trade the outstanding consuming interest. Benzol remained in a firm position because of the shortage of supplies. Stocks of toluol and xylol were in a comparatively favorable position. Creosote oil was fairly well taken. Crude naphthalene was a routine affair, although the market displayed more stability than heretofore. Maleic acid moved in satisfactory volume, and contracts were extended for the 1939 period at the same basis. Renewal of contracts was announced for phthalic anhydride. Anilin and nitrobenzene shipments were moving at a steady pace. Coaltar colors continued irregular, with a firm price tone prevailing.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.9	125.9	125.9	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Chemical processors, lacquer trade and other consumers of benzol were making their appearance with sufficient consistency to absorb the available supplies of benzol. While production continued to show gradual improvement, withdrawals were broadening to keep the stocks of benzol at a minimum. A firm tone ruled for the various grades of material. Steel operations were scheduled at 61 percent of capacity, compared with 56.8 percent a week ago and 41.0 percent in the corresponding period a year ago. During the month of September imports of benzol aggregated 70,258 gallons, valued at $8,422, all of which came from Canada.

Creosote Oil.—Interest in the market was maintained at comparatively steady levels throughout the past week. Preliminary work was underway for next year's contracts, and announcement relative to price schedules for 1939 were anticipated in the near future. Imports during September totaled 6,035,144 gallons, valued at $655,075, of which 1,879,939 gallons came from the Netherlands; 719,051 gallons from the United Kingdom; 426,000 gallons from Japan and 10,154 gallons from Canada.

Cresol.—A slight broadening in the demand from major consumers was evident in some grades of cresol, the synthetic resin industry was reported making more commitments than heretofore, while dyestuff and disinfectant consumers were making a fairly steady appearance. Quotations ruled unchanged.

Cresylic Acid.—Withdrawals against contracts for the domestic material continued to display moderate improvement at times, with the synthetic resin and disinfectant consumers making their commitments more frequently. Quotations were in conformity with the previous period. Nothing of interest developed in the foreign market, with prices held around the same levels. Imports during September amounted to 68,620 gallons, valued at $31,411, of which 66,009 gallons came from the United Kingdom and 2,611 gallons from Germany.

Naphthalene.—Shipments of the crude material continued along restricted lines although sellers could point to some improvement from the recent lethargy. Domestic quotations remain unaltered. A steady price tone prevailed for the imported material, and quotations were held at the levels reported previously. September imports totaled 1,813,192 pounds, valued at $51,045, of which 1,329,055 pounds came from Russia; 970,024 pounds from Germany and 514,113 pounds from Czechoslovakia.

Phenol.—Commitments were moderately active for the most part in the market last week. A broadening of interest in the synthetic resin and plastic field recently has been a distinct benefit to the market, while other consumers were supplying a steady call. Pricewise the market noted no change, and a steady to firm tone prevailed.

Pyridin.—The call for solvent purposes was sufficient to absorb virtually all the available quantities of this material, and the market continued in a tight position. Quotations were firm.

Toluol.—Business in this direction was on a satisfactory basis again last week, with the demand from the lacquer trade holding at a steady pace. Supplies were adequate to meet the better interest. Prices continued unchanged.

Xylol.—A steady to firm price tone governed the dealings in the market last week. Business remained at the recently improved pace, and stocks of material were reported at a favorable level at this time.

Chicago Coaltar Bases

Coaltar bases are in good call currently, with various lines taking moderate to good amounts of material at steady to firm prices. New supplies resulting from high rates of steel mill operations appear not to have disturbed the market as a whole to any great extent. Inquiries for benzol, etc., continue to be reported as fairly active. Toluol is being taken in moderate volume. Ruling prices exclusive of tar are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 23c.; 10-degree xylol, 23c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—The market lacked any particular feature throughout the past week, and commitments in the technical material were confined to routine proportions. Prices ruled unchanged.

Fumaric.—A steady to firm tone remained in evidence during the past week, with business at moderate levels in the majority of instances.

Laurent's.—Interest in this direction was along fair lines, with consumers content to order for nearby needs only. No change was uncovered in the quotations.

Maleic.—Quotations for the powdered and anhydrous were extended for the 1939 contract year, subject to the quarterly adjustment. Business from the synthetic resin industry was progressing at a satisfactory pace.

Salicylic.—The technical material quotations were without change. Shipments were moving at a steady pace in most major consuming channels last week.

Other Intermediates

Anilin.—Volume of business continued to display comparatively good movement into principal consuming channels. A steady to firm price tone characterized the dealings.

Anthraquinone.—Withdrawals for the account of dyestuff manufacturers was along fairly broad lines last week. Pricewise the market record no change.

Betanaphthol.—Business in the market for the technical material was moving at a moderate pace, with a broader interest recorded at times. Prices were without change.

Dimethylaniline. — Routine commitments provided the bulk of the business

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

in this direction. Quotations were in conformity with the preceding period.

Nitrobenzene.—Shipments were moving out at a fairly brisk pace with commitments confined to moderate quantities in most instances. A steady to firm price tone prevailed.

Orthonitrotoluene.—A firm tone characterized the dealings throughout the past week. Withdrawals were along modest lines for the most part.

Phthalic, Anhydride.—Contracts for next year were extended at the same levels, subject to the quarterly adjustment clause. Business showed signs of improvement, with the synthetic resin industry providing a better interest.

R Salt.—Nothing of importance developed in the market last week. Business was held to modest proportions in practically all instances.

Xylidin.—The market failed to show any particular feature, with usual consumers supplying a routine interest. Prices were without alteration.

Coaltar Colors

Dealings in the market for various coaltar colors continued to display irregularity. Some consumers were making their appearance fairly consistently, while others were content to mark time. Pricewise the market was unchanged, and a steady to firm tone prevailed in virtually all divisions. The regular editions of the 1939 Spring silk and woolen cards, each containing sixty-eight shades, have just been issued by the Textile Color Card Association. The silk cards feature "Exciting Pastels" and "Tropic Nights." Highlights of the woolen card are the collections of "Persian Pastels" and the vibrant "Sun and Sea Colors." Both cards portray groups of "Tone-On-Tones," in which are shown important basic colors with lighter harmonizing shades. "Color Duets," another outstanding feature of each card, play up striking new contrast themes. September imports of colors, dyes and stains totaled 353,816 pounds, valued at $548,819, of which 198,632 pounds came from Germany and 136,127 pounds from Switzerland.

General Paint Products Corporation, Brooklyn, has filed a certificate of voluntary dissolution.

Synthetic Organic Chemical Industry Survey Completed

A world survey of the synthetic organic chemical industry, containing reports from eighty countries, has been completed by the chemical division of the Bureau of Foreign and Domestic Commerce, Washington. This 164-page study, known as "Trade Promotion Series No. 189—Synthetic Organic Chemicals—World Developments and Foreign Markets" covers coaltar and non-coaltar products such as dyes, medicinals, perfumes, flavors, photographic chemicals, plastics, solvents, textile assistants, flotation reagents, synthetic rubber and camphor, tanning agents, anti-knock and anti-freeze preparations, detergents refrigerants and other products.

Government assistance to the synthetic organic chemical industry, foreign affiliations, cartels, research, and the outlook for the industry are also treated in the study. Copies of the study may be obtained either from the Superintendent of Public Documents, Washington, D. C., or any of the district offices of the bureau, at 20 cents a copy.

N.Y. Wholesale Drug Bowling Featured by John Bomba

The teams of the Mallinckrodt Chemical Works and E. R. Squibb & Sons were deadlocked for the lead in the forty-third annual tournament of the New York Wholesale Drug Bowling Association. John Bomba, of the Mallinckrodt team, recently rolled a 715 series with a score of 212, 257 and 246. The standing of the teams follows:—

	Won.	Lost.	Per-cent.
E. R. Squibb & Sons	8	4	.667
Mallinckrodt Chem.	8	4	.667
Carbide & Carbon Co.	7	5	.583
Chas. Pfizer & Co.	7	5	.583
Chas. L. Huisking	7	5	.583
R. & H. Chem. of Du Pont	7	5	.583
Church & Dwight Co.	6	6	.500
Fritzsche Brothers	4	8	.333
American Spice Trade	3	9	.250
Lanman-Kemp Barclay	3	9	.250

Henry L. Taylor, jr., formerly associated with Henry L. Taylor, Wilmington, N. C., fertilizer materials broker, has joined the ammonia department of E. I. duPont de Nemours & Co. Mr. Taylor will cover the fertilizer trade in Georgia, with headquarters in Atlanta.

These exclusive features of

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BENZOL

increase your production, cut processing costs and assure you a better product

Here is a Benzol completely free of corrosive compounds—that will keep your stills running on a continuous maximum production basis—with fewer shut-downs for cleaning.

J & L CXP Benzol is made by an exclusive process giving it a high degree of purity that marks it as one of the outstanding chemical achievements of the day.

You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol—always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed—Freezing Point 5.30° C—Boiling Range, less than 1° C—Bromine Index 3.

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AMERICAN IRON AND STEEL WORKS

PITTSBURGH PENNSYLVANIA

MAKERS OF HIGH QUALITY IRON AND STEEL PRODUCTS SINCE 1850

SYNTHETIC RESINS · ANTISEPTICS · DISINFECTANTS · PLASTICIZERS · DYES · SOLVENTS

EXPLOSIVES · PERFUMES · PHOTOGRAPHIC CHEMICALS · RECLAIMING AGENTS

LACQUER · ANTI-OXIDANTS · OILS · SOAP

PLASTICIZERS · DYES · SOLVENTS · SOAP

RUBBER RECLAIMING AGENTS · LATEX · ANIMAL DIPS

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CRESYLIC ACID

TAR ACIDS • TAR ACID OILS

OF EXCEPTIONAL UNIFORMITY BECAUSE

1. Koppers controls coal mines . . .
2. Operates coke ovens with coal from these mines . . .
3. Produces tar from these coke ovens . . .
4. Separates acids from this tar . . .
5. Refines these acids in large volumes in a thoroughly modern plant put into operation late in 1937.

PHENOL All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL U. S. P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor, free from sulfur compounds.

CRESYLIC ACID Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

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Koppers position, due to raw materials and modern plant equipment, is exceptional for special cuts or fractions. Inquiries solicited and welcomed.

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Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—99%, pale, low-boiling, Insecticide Grades—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber.

KOPPERS COMPANY · PITTSBURGH, PA.

Dyestuffs, Textile and Leather Chemicals

J1 and J2 Myrobalans Slightly Lower—Sumac Reduced—Egg Yolk Higher—Bichromates in Fair Demand—Egg Albumen Easier—Zinc Dust Firm

The market for dyestuffs, textile and leather chemicals moved through a quiet week. The major manufacturing consumers apparently were content to mark time, and, with the election and holiday intervening, there was little disposition to place commitments beyond nearbly requirements. Sentiment continued cheerful, with the election out of the way, business was expected to resume a broader trend over the balance of the year, at least. Price changes included lower quotations for egg albumen, myrobalans and sumac. Egg yolk was slightly higher.

Bichromates were only moderately active, with caution evident in most sections. There was nothing forthcoming on the 1939 contract schedules for the bichromates, but word was awaited almost any time. Zinc dust was a firm feature. Alumina chloride was steady. Potash prussiate remained a routine affair. Egg products were highly irregular. Egg yolk advanced slightly because of the unfavorable statistical position of the market, while egg albumen, domestic and imported material, was lower. Cochineal and logwood were only in fair demand in the natural dyestuff division. A steady tone was witnessed in the market for cornstarch and dextrin. Tanning materials were only moderately active at the best, and easier prices were reported for J1 and J2 myrobalans. Ground and leaf sumac declined slightly. Tanning extracts were firm, and prices in many instances, as announced the previous period, were unchanged for the first quarter of 1939.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Egg yolk, 1c. per lb.

Reduced

Egg albumen, dom., 2c. per lb.
imported, 2c. per lb.
Myrobalans, J1, 50c. per ton.
J2, $1 per ton.
Sumac, ground, $1 per ton.
leaf, $1 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
147.8	150.0	150.0	155.1

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—A fair amount of business was consummated in the market last week. No change was recorded in the quotations, and a firm tone ruled.

Alumina Chloride.—A steady to firm price tone remained in evidence throughout the past week. Commitments were held to modest proportions in the majority of instances.

Potash Bichromate.—Nothing was forthcoming relative to next year's contract prices. In the interim a steady to firm tone prevailed, with business at moderate levels.

Potash Prussiate.—Usual consumers were making routine withdrawals in this direction throughout the past week. Quotations were well sustained at previous levels.

Soda Bichromate.—A fair amount of business was transacted in the market last week. Quotations were without alteration. September exports amounted to 317,943 pounds, valued at $20,870, of which 124,719 pounds went to Canada; 44,800 pounds to the United Kingdom; 29,918 pounds to Lithuania, and 56,106 pounds to Argentina.

Zinc Dust.—A firm tone characterized the dealings in this direction again last week. Business was moderately active at times.

Dyestuffs

Annatto.—There was not a great deal to divulge in the market with commitments held to routine proportions, and quotations unaltered.

Cochineal.—A moderate interest prevailed in this direction last week, with some consumers inclined to order for nearby requirements. No change was uncovered in the quotations.

Indigo.—Usual consumers were withdrawing modest quantities of the natural indigo to take care of nearby needs. A steady to firm price tone predominated.

Logwood.—Business was maintained at fair levels in the majority of instances. Quotations were well maintained at previous levels. September exports of logwood extract aggregated 47,076 pounds valued at $7,836, of which 36,350 pounds went to Canada; 5,600 pounds to the United Kingdom; 2,396 pounds to Mexico, and 2,530 pounds to Japan.

Madder Dutch.—The market lacked any particular feature throughout the past week, and usual consumers were making only modest withdrawals. Prices were without change.

Sizing Materials

Albumen, Egg.—Domestic quotations were 2c. per pound lower at 76c. to 78c. per pound for the crystal material and 81c. to 83c. for the powdered grade. Imported quotations declined to the 76c. to 78c. per pound level. Business has been of a disappointing nature for this time of the year, but sellers were looking forward to a better interest with the cooler weather.

Dextrin.—Various grades of dextrin remained steady last week. There was no disposition to alter prices at this time, despite the rather erratic fluctuations for the basic commodity. Business was along fairly broad lines again. Visible supplies of corn for week ended November 5 amounted to 35,175,000 bushels, compared with 24,674,000 bushels in the previous week and 9,179,000 bushels in the corresponding week a year ago.

Egg Yolk.—A firmer price tone was witnessed in the market and quotations were advanced to the 67c. to 69c. per pound level. Stocks of egg yolk were comparatively small and any fair size withdrawals easily reflects on the price.

Starch.—Withdrawals were on a moderate scale for the most part, with support received from virtually all the major consuming channels. Pricewise the market noted no change, and a steady price tone prevailed. Rains of the week caused some interruption to husking and cribbing corn, but crop gathering is well advanced in most sections ahead of average season.

Tanning Materials

Mangrove Bark.—Commitments were of a routine character in the market, and nothing of importance developed in the price situation last week.

Myrobalans.—An easier price tone was discernible in the market for J1 and J2 myrobalans last week, with quotations declining to $25 and $17 per ton, respectively. Business was only moderate.

Sumac.—Quotations for the leaf and ground material were $1 per ton lower at $65 for the ground and $48 per ton for the leaf. A fairly steady demand was noted for nearby requirements.

Valonia.—A steady to firm price tone prevailed in the market for valonia beards and cups, and prices were without fluctuation. Consumers were content to place orders for urgent needs only.

Wattle Bark.—Routine commitments characterized the dealings in this direction. Quotations were in conformity with the preceding period.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Textile Research Institute Re-elects Dr. Killheffer

Dr. Elvin H. Killheffer, of E. I. du Pont de Nemours & Co., Wilmington, was re-elected president of the United States Institute for Textile Research, at the annual meeting, held in the Commodore hotel, this city, November 9. Ernest H. Hood, of the Old Colony Manufacturing Company, Taunton, Mass., was re-elected treasurer and C. H. Clark was renamed secretary.

Discussion at the meeting was concerned with the research carried on during the year. Completed studies were reported on the warp sizing of filament viscose rayon yarn and the vertical intergration of the textile industries.

The Textile Foundation has made a grant for financing a study on textile inventory policies and statistical guides. This study follows the one on vertical integration in the textile industries which was financed by the foundation last June.

Metasap Offers Metallic Soap for Fibrous Materials

A new metallic soap, known as "Metasap 571," for use on fibrous materials, has been announced by the Metasap Chemical Company, chemical manufacturer, Harrison, N. J., a subsidiary of the National Oil Products Company. The new powder is designed to yield high concentrations of aluminum stearate in solvents and oils, in water-thin solutions which can be further diluted with almost any thinner such as toluol, varsol, ethyl actate, stoddard solvent, etc.

It is claimed that solutions of "Metasap 571" may be brushed or sprayed or the material to be treated may be dipped in the solution with equal effectiveness; brushed or sprayed on brick, stone, cement, stucco, wallboard, etc., provides excellent waterproofing, as maximum penetration is obtained due to the viscosity of the product. This is also true for use on textiles, paper, and fibreboard.

Prior Chemical Adds Masterson to Sales Staff

John T. Masterson has joined the sales staff of the Prior Chemical Corporation, this city. Mr. Masterson was formerly with the General Chemical Company, this city, where for five years he was assistant to the manager of the Baker and Adamson Division. Previously Mr. Masterson was with E. I. du Pont de Nemours & Co. for three years, following his graduation from Pratt Institute, Brooklyn, with a degree in industrial chemical engineering. Mr. Masterson will sell the full line of chemicals handled by the Prior company, including bichromates and other chrome products manufactured by the Standard Chromate Division of the Diamond Alkali Company, Painesville, Ohio, for which the Prior organization is the sole selling agent.

Arthur Studios
J. T. Masterson

Crown Drug Company October sales totaled $723,500, against $726,732 in the same month a year ago.

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"NIAPROOF"*
ALUMINUM SALTS FOR WATER REPELLENT TREATMENTS

Especially developed for the modern concentrated water repellent preparations, "Niaproof" contains 37 to 39% active Al_2O_3. It is readily soluble in water giving solutions of 5.1 to 5.4 pH depending on concentration; which can be reduced if desired to a pH range of 3 to 4 by the addition of Glacial Acetic Acid.

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Samples of both grades are available on request. *Trademark

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PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Paint, Varnish, Lacquer Materials

Carbon Black Contract Prices Confused—One Seller Will Increase ½c. for First Quarter and Then Lower Tankcar Price ¼c. On April 1—Naval Stores Steady

The pricing of carbon black contracts for 1939 continued as the center of interest. After a full year of stubborn and costly conflict over basing prices, the black manufacturers do not seem any nearer toward settling their divided ideas. A week ago, leading suppliers announced that 1939 prices for carload business would be ¾c. per pound higher than the current prices; a day later this was altered to a ½c. per pound rise on rubber blacks and ¾c. per pound increase to other industries. And now, last week, one seller sought tankcar business for 1939 at ½c. per pound over the current price, but on April 1, 1939, and thereafter this seller's tankcar price would be only ¼c. per pound over the current price for tankcars or carload lots in bags. So far this latest move has not been confirmed by other suppliers.

Two holidays last week handicapped trade but there was a fair amount of buying interest shown by the makers of surface coatings, particularly by those making industrial finishes.

Leading suppliers of titanium dioxide and the titanium compound pigments will commence booking 1939 contracts tomorrow. Prices will be the same as those currently in force.

Changes in rosin and turpentine quotations in Southern and local markets were generally within comparatively narrow limits last week, the prevailing tone being steady or firm. Business was quieter, the slowing down being attributed to the holidays. Receipts in Southern markets continued liberal but daily offerings remained light.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Rosin gum, 2½c. to 20c. per 280 lbs.

Reduced

Turpentine, gum, 1c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.1	131.1	131.1	133.4

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead purchasing continued mild last week. There were no important developments in the market and the price situation was steady at the levels of 4.95c. per pound at East St. Louis and 5.10c. to 5.15c. per pound at New York.

Zinc was also a quiet metal. Quotations were unchanged at 5.05c. per pound, East St. Louis. Stocks of domestic slab zinc amounted to 124,128 tons on October 31, against 130,473 tons on September 30, according to the American Zinc Institute. October shipments of zinc were 43,355 tons, against 43,582 tons in September. The prime Western producers' committee of the Zinc Institute reported October sales for October delivery of 3,002 tons at a weighted average selling price of 4.996c. per pound, East St. Louis, and October sales for subsequent delivery of 12,317 tons at a weighted average price of 4.994c. per pound. There were also 90 tons sold at the average price for November and 450 tons sold at the price on the date of shipment.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from November 5 to November 11, inclusive, were as follows:—

	Pigs		
	Per pound		Spot, London, Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0510@.0515	$0.0495	.. .. ..
Monday	.0510@.0515	.0495	15 18 9
Tuesday	*....@....	*.....	16 3 9
Wednesday	.0510@.0515	.0495	16 8 9
Thursday	.0510@.0515	.0495	16 6 3
Friday	*...@.....	*...	.. .. ..

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from November 5 to November 11, inclusive, were as follows:—

	Slabs		
	Per pound		Spot, London, Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0545	$0.0505	.. .. ..
Monday	.0545	.0505	14 8 9
Tuesday	*....	*....	14 11 3
Wednesday	.0545	.0505	14 13 9
Thursday	.0545	.0505	14 15 0
Friday	.*...	*...	.. .. ..

* Holiday.

Pigments

Manufacturers of titanium pigments will solicit contracts for 1939 at the prices currently in force. Some of the sellers of other materials who were interviewed during the week indicated that forward contract prices were not likely to be made known until later in the month. In the meanwhile there was a fair-sized movement of materials against contracts, being off somewhat from the October tonnage but fairly good for this time of the year.

White Lead.—While the calls for deliveries were not so large as they were in October, there has been a fair sort of business so far this month. The price situation remained steady and there have been no recent changes in the position of the basic metal.

Red Lead.—Prices for c.l. and l.c.l. quantities continued without change and the metal market appeared quite serene last week. Prices for this oxide have been untouched since the middle of September. Battery makers continued to take in sizable quantities of material.

Litharge.—Pricewise there have been no developments in the market for the past seven or eight weeks. And, based on the appearance of last week's metal market, there was no imminent change in sight. Shipments from manufacturers' hands continued moderately active.

Lithopone.—While last week's trade was lacking in snap, there was a fair amount of interest shown in some directions. Volume seems smaller than at this time a month ago, but not by a great deal. Prices continued unchanged and as yet there has been no word on 1939 contracts.

Titanium Pigments.—Starting tomorrow, November 15, the makers of titanium dioxide and titanium compound pigments will solicit 1939 contracts at the same price basis as that in force at present.

Zinc Oxides.—Producers of lead-free and leaded oxides said that last week's business was spotty but the aggregate for the month to date has been fair for this time of the season. Nothing has been mentioned yet regarding 1939 prices.

Fillers and Extenders

Sales of talc and other materials to the rubber trade have been increasing and shipments were moving into the Akron district at a good rate. The sales of inerts to the paint manufacturing trade have shown some slump after a lively movement in October. The prices for materials in this division of the market have been steady and so far there has been nothing mentioned regarding 1939 contract prices.

Barytes.—Conditions surrounding the market showed little change. There has been a fair movement of material out of selling hands and the prices for do-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

LAMP CARBON BONE **BLACKS** LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for twenty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
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Headquarters for **ROSIN OIL**
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
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Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

PURE **SILICA** FOR ALL PURPOSES
Water Ground—Water Floated
Hard Crystalline: No. 60—140 Mesh; " 10—200 "; " 110—300 "
Soft Amorphous: Velveteen—300 Mesh; Silver Bond—325 Mesh; OO Smoke—600 Mesh
Mills: Tamms, Ill. Write TAMMS SILICA CO. Builders Bldg., Chicago, Ill.

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ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
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NAPHTHENIC SOAP — FLAG BRAND WHITE OILS — NAPHTHENIC ACID SLUDGE
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The consumption of Methyl Ethyl Ketone in the lacquer, ink, resin and plastic industries, indicates that its properties have been found to have considerable value. Its advantage as a solvent in the formulation of lacquers is well known and its high solvency and low weight (6.72 lbs. per gallon) are characteristics which give it considerable advantage over other low boiling solvents.
The high purity of Shell's Methyl Ethyl Ketone is an essential factor.
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Selling Agents for Shell Chemical Company
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mestic and imported merchandise continued unchanged.

Talc.—The fibrous quality has been moving at a fair rate. The rubber products manufacturers were reported to be quite active in the talc market. Prices for all grades remained unchanged.

Dry Colors

Makers of chemical pigment colors have not yet named prices on contracts for 1939 and so far the only commodity in the color group upon which action for 1939 has been taken was carbon black. Just as they were a year ago, sellers are divided on their ideas as to the selling values of black in bulk and in bags and because of the uncertainties of the price situation there is little 1939 business being booked.

Carbon Black.—Last week one factor announced that the tankcar price for carbon black on 1939 contracts would be increased ½c. per pound over present values but on April 1, 1939, a ¼c. reduction would take place and the price would then be equivalent to ¼c. per pound over the present (1938) price. This has not been confirmed by any other black makers. Other suppliers were offering 1939 contracts in bulk or bags at ½c. per pound advance for rubber blacks and ¾c. per pound for other industries. L.c.l. prices for 1939 business are ½c. per pound higher than current values. Whether or not the current quotations for next year's contracts will remain as they are is indeed questionable at this time, as sellers are still very wide apart in their ideas as to the value of black in bags and the value of the material in bulk. Carbon black production in Texas during September averaged 1,090,590 pounds daily, according to the Texas Railroad Commission. Daily average output in August was 1,075,907 pounds and the daily average production in September, 1937, was 1,242,066 pounds.

Iron Blues.—Trade with the several lines of consuming industries continued in a modest way and as yet there has been nothing reported on 1939 contracts.

Lake C Red.—The ink manufacturers were reported to be taking fairly substantial amounts against contracts. The price continued in a steady position and the manufacturers have not yet taken a position on 1939 business.

Sienna.—Suppliers of this material continued to quote unchanged prices. The demand side of the market was moderately active.

Victoria Blue.—This ink toner held a steady position at the price that has been long standing. The demands during the past few weeks have been fairly good.

Varnish Gums

Primary market prices for natural resins have not undergone any change since the widespread revision in Congo gums and the advances in No. 2 Singapore dammar and genuine bold Pontianak which took place a week ago. The replacement markets were quite steady, according to cables during the week. Ordering here was light and scattered.

Copals.—There have been no further changes in replacement market costs since the revisions in the Congo gums and other copals a week ago. While the market did not receive much support in the form of ordering from varnish makers here, the cabled position of the primary markets seemed firm.

Dammars.—Batavia and Singapore gums also continued without change last week. The buying interest here was not very extensive and the withdrawals against contracts were moderate.

Synthetic Resins

The ester gum market contained nothing in the way of new or important developments last week. Deliveries to the manufacturers of finishes for the automobile trade were fair sized, but the market generally lacked trading snap. Prices continued unchanged.

Naval Stores

Quieter conditions prevailed in Southern and local markets for rosin and turpentine last week. Locally a fair inquiry was noted at times from dealers who were in need of fresh supplies but actual business here was generally limited to unimportant quantities, the movement of such lots being reported as smaller than in the previous week. There were reports of a fair movement of rosin and turpentine in the South on contracts previously placed but new business was quieter. The slowing down of demand, however, was regarded by some as due mainly to the holidays and as likely to prove only temporary, especially as sentiment in business circles in various parts of the country appeared to have undergone improvement as a result of the elections last Tuesday.

Quotations on turpentine and rosin showed some irregularity at times in primary centers last week but changes from day to day were generally unimportant and there was a tendency in some quarters to regard the tone of Southern markets as firm. Offerings at primary points were light throughout the week, this applying to both rosin and turpentine. Although rosin receipts were larger than some had expected at this period the bulk of the arrivals continued to be moved into storage. According to published statistics the total quantity of rosin under government loans up to the close of October was equal to about 880,000 barrels on which about $9,440,000 had been paid out in loans.

Production of naval stores in Mexico during September showed the decrease usually witnessed during that month as a result of rains, according to consular advices from Durango. Turpentine production for the month was estimated at about 18,600 gallons, whereas the output of rosin amounted to 100 metric tons of G, H and I grades. Stocks on hand the end of September were estimated at about 37,000 gallons of turpentine and 415 metric tons of G, H, I and K grades of rosin. September sales were reported at 8,000 gallons of turpentine, all of which went to the United States, and 90 metric tons of G, H and K grades of rosin which were sold for domestic consumption. On August 28 turpentine was added to the list of articles paying the 12 percent export tax and domestic producers are making efforts to have this tax removed. On account of the unsatisfactory prices prevailing for both turpentine and rosin domestic producers claim that they have been operating at a loss for several months and are seriously considering either closing their operations entirely or materially reducing their output this year.

Turpentine.—Local quotations showed irregularity last week in company with the course of prices in primary centers. Changes were generally moderate, however, and the tone was regarded as steady or firm. With two holidays during the week, business was quieter. An improvement in sentiment regarding the outlook for trade and prices was noticeable in some quarters, however, the better feeling being attributed mainly to the result of the elections on Tuesday.

The 1939 naval stores conservation program has been approved by Secretary of Agriculture Henry A. Wallace, it was announced from Washington late last week. Gum naval stores farmers in the eight Southern States of North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana and Texas may participate in the program and may earn payments for working only the larger trees and by protecting the growth of their pines in other ways. Under the program naval stores farmers will be paid one-half cent per face for all faces worked, except new virgin faces, under approved practices, and 5 cents per face for those taken out of operation as required by program provisions.

SAVANNAH, Nov. 10.—The turpentine market had a steadier undertone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Barrels Receipts.	Barrels Shipments.	Barrels Stocks.
*Saturday	..	...	...	...	.....
Monday	23¾	154	331	162	50,872
Tuesday	23½	82	846	145	51,573
Wednesday	23¼	100	277	95	51,755
Thursday	23	44	195	80	51,870
†Friday	..	...	...	...	.....

* No trading. † Holiday.

JACKSONVILLE, Nov. 10.—A steady tone prevailed in the turpentine market. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Barrels Receipts.	Barrels Shipments.	Barrels Stocks.
*Saturday	..	...	...	...	.....
Monday	24	137	250	15	47,144
*Tuesday	..	...	...	...	.....
Wednesday	23	...	156	...	47,300
Thursday	23¼	21	324	233	47,391
†Friday	..	...	...	...	.....

* No trading. † Holiday.

PENSACOLA, Nov. 5.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Barrels Shipments.	Barrels Stocks.
Monday	133	...	31,485
Tuesday	157	...	31,642
Wednesday	74	284	31,432
Thursday	176	...	31,608
Friday	166	82	31,692
Saturday	93	161	31,624

CHICAGO, Nov. 10.—Turpentine is quiet. The wholesale end of the business is reported to be marking time, and the retail is furnishing little in the way of feature. Ruling prices at the close of business last night were:—Five-drum lots, 32c. per gallon; five wood barrels, 37c.; single drums, 35c.; single barrels, 40c.

LONDON, Nov. 10.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	33	6
Monday	33	9
Tuesday	33	9
Wednesday	33	6
Thursday	33	3

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FRITZSCHE BROTHERS' PAINT DEODORANT No. 5

By using this new and proven deodorant you can give the consumer what he has been waiting for *and will buy* — namely, paint *without objectionable odor*. The cost is negligible — 1 lb. of "No. 5" effectively masks 350 gallons of the average paint. Write for particulars TODAY.

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MACHINES TO CUT ⅛ in., ¼ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

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Carload shipments direct from producers
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Esterol 1800 is the outstanding pure alkyd resin for a white interior air-drying enamel that must retain its color and gloss over a long period of time.

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PARAMET CHEMICAL CORPORATION
Manufacturers of Synthetic Resins
44TH AVE. & 10TH ST.—LONG ISLAND CITY, N.Y.

Stocks of American turpentine in London were:—

	Nov. 10.	Previous week.	Last year.
Barrels	25,550	27,293	18,786

Rosin.—The local market was a rather narrow affair last week but the tone was steady as fluctuations in prices in Southern markets were generally unimportant. There was no broadening of trade here although sentiment appeared to have undergone improvement as a result of encouraging political and business news. Daily offerings in Southern markets remained light, the bulk of the arrivals being placed in storage.

SAVANNAH, Nov. 10.—Changes in rosin quotations were moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	†Fri.
B	...	$4.05	$4.05	$4.05	$4.05	...
D	...	4.05	4.05	4.05	4.05	...
E	...	4.25	4.25	4.25	4.25	...
F	...	4.90	4.90	4.92½	4.95	...
G	...	5.15	5.12½	5.15	5.15	...
H	...	5.15	5.12½	5.15	5.15	...
I	...	5.15	5.12½	5.15	5.15	...
K	...	5.15	5.12½	5.15	5.15	...
M	...	5.15	5.15	5.15	5.15	...
N	...	5.50	5.55	5.55	5.55	...
WG	...	6.00	6.00	6.00	6.00	...
WW	...	6.65	6.65	6.65	6.65	...
X	...	6.65	6.65	6.65	6.65	...
	Barrels					
Sales	...	380	198	113	73	...
Receipts	...	1,828	2,107	1,884	2,171	...
Shipments	...	780	732	24	300	...
Stocks:—	...	282,777	284,152	286,012	287,783	...

* No trading. † Holiday.

JACKSONVILLE, Nov. 10.—Rosin offerings were light and the market was steady though quiet. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	*Tues.	Wed.	Thurs.	†Fri.
B	...	$3.80	...	$3.80	$3.80	...
D	...	4.00	...	4.00	4.05	...
E	...	4.30	...	4.30	4.25	...
F	...	4.85	...	4.85	4.90	...
G	...	5.15	...	5.05	5.10	...
H	...	5.15	...	5.05	5.10	...
I	...	5.15	...	5.05	5.10	...
K	...	5.15	...	5.05	5.10	...
M	...	5.15	...	5.05	5.10	...
N	...	5.55	...	5.50	5.55	...
WG	...	6.00	...	6.00	6.00	...
WW	...	6.40	...	6.45	6.37½	...
X	...	6.40	...	6.50	6.37½	...
	Barrels					
Sales	...	176	...	414	150	...
Receipts	...	1,000	...	1,096	2,364	...
Shipments	...	1,740	...	...	83	...
Stocks:—	...	249,117	...	250,213	252,494	...

* No trading. † Holiday.

PENSACOLA, Nov. 5.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	684	628	465	406	438	417
Shipments	...	1,210	...	...	...	...
Stocks	69,723	69,141	69,606	70,012	70,450	70,867

CHICAGO, Nov. 10.—Minor fluctuations have taken place in the rosin market. The buying still seems to be rather cautious on the whole, and the volume of business continues limited. Ruling prices at the close of business last night were:—B grade, $7.05 per lot of 280 pounds; G grade, $8.12½; M grade, $8.15; W.W. grade, $9.25.

LONDON, Nov. 10.—Quotations on American rison were as follows:—

	Per cwt. in barrels			
	Common.		W.W.	
	s.	d.	s.	d.
Saturday	15	4½	19	0
Monday	15	4½	18	9
Tuesday	15	4½	18	9
Wednesday	15	4½	18	9
Thursday	15	6	18	6

Pine Oil.—The local market was rather quiet, consumers being disinclined to anticipate to any extent, but the tone continued steady with previous quotations generally in effect.

Pitch.—A fair inquiry was noted, the movement to local and other consumers being sufficient to give the market a steady tone. Spot prices were generally held at former levels.

Rosin Oil.—A steady tone prevailed in the local market, although there was little to record in the way of activity, purchasing being limited as a rule to unimportant quantities.

Tar.—Conditions prevailing in the local market underwent little change, business being along conservative lines with the tone of the market steady.

Shellac

Little change in prices was reported at either London or Calcutta last week. For the most part, it was clear that Calcutta was a basically sound market with values entirely on the low side and with only a moderate amount of business reaching that market from its agents in the United States. Business in the spot market was moderate throughout the period. Some, though very slight, improvement in deliveries against contracts was noted, but in the main the market lacked the stimulus which a wider and broader call for contract as well as other deliveries would have created. However, market sentiment regarding the future seemed to have improved psychologically early in the period and it was felt that the hope for better business was on sounder ground than it had been.

Calcutta, Nov. 11.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound	
	Nov. 11.	Nov. 4.
November	10¾c.	10¾c.

Day-to-day quotations were as follows:—

	Per pound.
November 4	10¾c.
November 5	10¾c.
November 7	10¾c.
November 8	10¾c.
November 9	10¾c.
Novemebr 10	10¾c.
November 11	10¾c.

London, Nov. 11.—Prices quoted on London standard T.N. shellac, basis of sterling exchange of $4.88, were as follows:—

	November 11		November 4	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
December	39	8.50	39¾	8.76
March	40¾	8.88	41½	9.04

Day-to-day closing prices were as follows:—

	Per hundredweight			
	December.		March.	
November 4	39s	9d	41s	6d
November 5	39s	9d	41s	6d
November 7	39s	6d	41s	6d
November 8	39s	6d	41s	6d
November 9	39s	9d	41s	6d
November 10	39s	..	40s	9d
November 11	39s	..	40s	9d

Lacquer Materials

Contract renewals for the first quarter of 1939 were being made in practically all lacquer materials and solvents at the same levels as now prevailing. The various price adjustments recorded in the earlier part of the year apparently have eliminated the possibility of any price changes of importance, and sellers were busily engaged extending present schedules on a firm basis into the first quarter of next year. The revision in the schedule for ethyl acetate reported the previous week was the only adjustment recorded for the first quarter. Acetone, butyl acetate, dibutyl phthalate and tricresyl phosphate were all reported unchanged. Business continued comparatively steady.

Acetone.—Contracts were extended for the first quarter of 1939 at the levels now in force. A steady volume of business was noticeable from virtually all the principal consuming interests. September exports totaled 849,495 pounds, valued at $49,663, of which 358,198 pounds went to Belgium; 175,546 pounds to the Netherlands; 161,166 pounds to the United Kingdom and 33,746 pounds to Australia.

Butyl Acetate.—Sellers were renewing contracts for the first quarter of next year at the prices now prevailing. A broader interest was manifest in the market from several major consuming sources. September exports aggregated 421,345 pounds, valued at $38,922, of which 134,570 pounds went to Belgium and 184,201 pounds to Australia.

Dibutyl Phthalate.—The call for plasticizing purposes was showing a steady trend from the lacquer and plastic industries. Contracts were carried into the first quarter of 1939 at unchanged levels.

Ethyl Acetate.—Contracts for the first quarter of 1939 were being accepted by one producer at the quotations mentioned the preceding period, other producers were not making any definite announcement at this time. Business was at a moderately active pace last week.

Tricresyl Phosphate. — Sellers were concerning themselves with contract renewals for the first quarter of next year at the prices now prevailing. A steady volume of business made its appearance in practically all directions.

Driers

Grease compounders, paint manufacturers and other regular consumers of stearates have been ordering in fair-sized amounts against their contracts. The holidays last week handicapped the market but so far in November there has been a fair business done. Prices continued unchanged at the levels that have been in effect for more than a year.

Glues and Binders

Casein.—Although some factors had stronger ideas on price, there were sellers at the unchanged level of 8c. per pound for 20-30 mesh and 8½c. per pound for the 80-100 mesh both in carload lots, delivered. One seller quoted ½c. per pound higher than this level. The Argentine article continued unchanged in price.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
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PIGMENT COLOR DIVISION
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for all industries including Textile, Paper, Tanning, Paint and Varnish, Ink, Oil and Grease, Cosmetics, Glue, Cement, Polish and Agricultural Spray.

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Ultramarine Blues
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Shawnee
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Color Content Guaranteed
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
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Offices and Agents in Principal Cities
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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Benzene

(Continued from November 7 issue)

Petroleum

Process material in—
Purifying paraffin
Solvent for—
Sulphur Oils
Waxes

Pharmaceutical

Solvent for—
Alkaloids Oils
Fats Waxes
Iodine

Plastics

Diluent in—
Solutions containing nitrocellulose
Solvent for—
Camphor Resins

Printing

Solvent in—
Lithography Process engraving

Resins

Solvent

Rubber

Diluent in—
Solutions, containing nitrocellulose, used for the production of decorative and protective coatings on rubber goods
Solvent for—
Caoutchouc Gutta-percha

Soap

Solvent for—
Fats Oils
Solvent in—
Special soaps and cleansing compounds
Starting point in making—
Dry-cleaning soaps
Special textile soaps

Stone

Diluent in—
Solutions, containing nitrocellulose, used for the production of decorative and protective coatings on artificial and natural stone

Textile

Cleansing agent for—
Fabrics
Degreasing agent for—
Fibers Fabrics
Diluent in—
Solutions, containing nitrocellulose, used in the production of coated fabrics
General solvent
Preservative for—
Sizing agents, such as starch and albumen

Wood

Diluent in—
Solutions, containing nitrocellulose, used for the production of decorative and protective coatings on woodwork

---

Sodium Silicate

(Continued from November 7 issue)

Building Construction

Adhesive cement for—
Corrugated asbestos insulations for piping and heating equipment
Binder in—
Building materials
Construction materials
Coating and hardening agent for—
Cement floors and other surfaces exposed to ordinary abrasion, or to chemical corrosion or interfactory trucking of goods and materials
Dustproofing agent for—
Cement, concrete, brick, and other surfaces exposed to abrasion, corrosion, mechanical and other forms of crumbling or disintegration
Fireproofing agent for—
Floors Walls
Heat insulation for—
Roofs and walls (applied by spraying on shredded newspapers)
Improver in—
Whitewashes for coating heated surfaces
Promoter of—
Cement penetration of porous rock in sealing to prevent water seepage into borings for tunnels, subways, and the like, and for solidifying or strengthening both old and new foundations
Starting point in making—
Acidproof cements for setting bricks, tile, and shapes in acid plants, chemicals plants, smelters, metallurgical plants, and various other industrial establishments where buildings and equipment are exposed to chemically corrosive conditions
Cements for making gas-tight joints in boilers, furnaces, coke-ovens and the like
Hydraulic cements used for various purposes
Waterproofing agent for—
Floors Walls

Ceramic

Deflocculating agent for—
Clays
Ingredient of—
China cements Zinc glazes
Mending agent for—
Saggers

Chemical

(For constructional uses in this industry see under: "Building Construction")
Starting point in making—
Silica gel

Dairying

Cleansing agent for—
Bottles, cans, tanks, pasteurizers, and other plant equipment
Ingredient of—
Bottle-washing compounds

Distilling

Cleansing agent for—
Bottles, tanks, and other plant equipment
Ingredient of—
Bottle-washing compounds

Dry-Cleaning

Clarifying agent for—
Dry-cleaning solvents
Coating agent for—
Indentification tags subjected to immersion in hydrocarbon solvents

Electrical

High-temperature insulator
Ingredient of—
Electrolyte for rectifiers (U.S. 1748011)

Explosives and Matches

Fireproofing agent for—
Matches
Ingredients (U.S. 1762911) of—
Sealing compound for torpedoes, flares, and other pyrotechnic, and signal devices (advantages claimed: Quick-drying, waterproof, fireproof, slight expansion and contraction)

Fats and Oils

Penetration-resistant coating for—
Tubs and barrels used to ship oily and greasy products
Purifying agent for—
Fats Vegetable oils

Fertilizer

Increaser of—
Barley yield (by action on phosphate)
Sizing agent for—
Fertilizer bags

Firefighting

Fireproofing agent for—
Curtains Flooring
Fabrics Woodwork

Food

Candling agent for—
Eggs
Cleansing agent for—
Bottles, jars, cans, tanks, and other plant equipment
Penetration-resistant coating for—
Bakery containers
Tubs and barrels used to ship oils and greasy products
Preservative for—
Eggs

Glass

Binder (U.S. 1752792) in—
Coating composition for imparting opalescent effects to electric lamp bulbs or similar glass objects (said to give favorable effects in light absorption, bulb strength, and flow in coating)
Ingredient of—
Glass cements

Ink

Ingredient of—
Printing inks

Insecticide and Fungicide

Efficiency promoter in—
Pyrethrum-soap sprays for combatting Japanese beetle, striped cucumber beetle, squash bug, and other insects

Laundry

Ingredient of—
Detergent compounds containing also soda ash or trisodium phosphate
Jointing agent for—
Fabric conveyors on ironing machines
Preventer of—
"Red water" in washing and rinsing operations
Staining by iron in water

Leather

Accelerator (U.S. 1765199) of—
Depilatant action
Improver (U.S. 1765199) of—
Grain Fullness
Preventer (U.S. 1765199) of—
Brittleness Rigidity
Soaking agent (U.S. 1765199) for—
Hides, skins, pelts (used in conjunction with a nitrogen base, such as ammonia, ethylenediamine, or pyridin; claimed that this soaking agent, used prior to the depilating treatment, prevents injury to the hair or wool and the true skin thereby increasing hide-value)

Mechanical

Adhesive cement for—
Corrugated asbestos insulations for piping and heating equipment
Degreasing agent for—
Metal machine parts and surfaces
Ingredient of—
Boiler compounds
Preventer of—
"Red water" in boiling systems

Metal Fabrication

Degreasing agent for—
Metal products
Plugging agent for—
Steel barrel seams

Metallurgical

Basic lining for—
Bessemer converters
Corrosion inhibitor for—
Aluminum
Ingredient of—
Enamels for such products as kitchen ware, signs, kitchen sinks, sanitary ware, washstands, bathtubs, fixtures, and the like

Mining

Deflocculating agent in—
Ore flotation
Promoter of—
Penetration of porous rock by cement in sealing such rocks in order to prevent water seepage into mine workings

Miscellaneous

Anchoring agent for—
Fixing light machinery to floors (used in admixture with sawdust)
Binder for various articles
Binder in—
Furnace cements
Stove cements
Binder and hardener for—
Tennis courts
Cementing agent for—
Splints in surgery
Coating agent for—
Tree wounds
Continuous-jointing agent for—
String
Ingredient of—
Bottle-cleansing compounds
Compounds for cleansing painted surfaces
Detergent compounds for various purposes (added because of ability to suspend dirt, to increase the amount and stability of the lather of soaps, to cleanse by wetting oily surfaces thus loosening the oil so that it can be rinsed away, to emulsify oils with soap in an economical and efficient manner, to reduce soap consumption in hard waters)
Hand-cleansing compositions for mechanics
Metal-cleansing compounds
Rug-cleansing compounds
Tapestry-cleansing compounds
Woodwork-cleansing compounds
Jointing agent for—
Fabric conveyor belts used in factories for various transportation purposes
Penetration-resistant coating for—
Tubs and barrels used to ship oily and greasy products
Preventer of—
Corrosion of iron pipe by dissolved oxygen in the water
Protective coating agent for many products

Paint and Varnish

Ingredient of—
Coldwater paints
Fresco paints
Paint and varnish removers
Silicate paints

Paper

Addition agent in—
Beater operations (added to reduce time of operation, to improve quality of finished product, and to effect savings in rosin size)
Adhesive for—
Roll capping
Splicing
Antisliming and coating agent for—
Concrete beaters
Jordan chests
Save-alls
Coating and hardening agent for—
Cement floors
Dispersing agent for—
Clays used in making book and other papers (doubles solids content of fluid mixtures)
Dustproofing agent for—
Floors
Greaseproofing and oilproofing agent for—
Paper
Hardening agent for—
Paper (used in conjunction with alum)
Increaser of—
Hardness and smoothness of paper surface
Paper strength
Ingredient of—
Acidproof cements for digester linings in sulphite mills
Preservative coatings for paper
Sizes for paper
Loading agent for—
Paper (combined with other advantages)
Neutralizing agent for—
Acid in colorings for wallpaper
Retention aid for—
Color Fillers
Rosin Starch
Starting point in making—
Adhesives for corrugated paper, fiberboard, sized paper, containers, paperboard, mailing tubes, cartons
Antisliming agent for treating the white water and stock in the well (combined with solution of bleaching powder)

Petroleum

Deflocculating agent in—
Crank case oil reclamation
Refining processes

(To be continued)

Oils, Fats, and Waxes

Chinawood Oil Firmer with Reports of Buying Abroad—Perilla Easier—Crude Coconut Shaded—Moderate Changes in Refined Cottonseed Oil—Lard Stronger—Trade Quiet

Trade in miscellaneous oils, fats and greases ruled quiet last week. In some instances a fair inquiry was noted from consumers and dealers who were in need of fresh supplies but the movement for the week was smaller than in the previous week owing to the holidays on Tuesday and Friday. Changes in prices were generally within narrow limits and the tone at the close of the week appeared to be steady with prevailing sentiment showing improvement as a result of the elections.

Chinawood was firmer to the extent that higher prices were named in some quarters, though quotations were held at previous levels by other sellers. The market abroad was reported as firmer on foreign buying. Crude coconut oil was slightly easier. Perilla oil was available at small concessions. Olive oil was steady with a somewhat better inquiry noted.

Refined fish oils were steady, selling schedules being maintained at former levels. Crude fish oils were reported as firm with offerings light and quotations mainly nominal. Quotations on animal oils were stationary. Cash lard was irregular, changes in prices being moderate in company with the course of futures in the West, where speculation was fairly active. Tallow was steady at the recent advance.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Grease, ⅛c. to ¼c. per lb.
Lard, 25c. per 100 lbs.
Oiticica oil, ¼c. per lb.

Reduced

Coconut oil, ⅛c. per lb.
Peanut oil, ⅛c. per lb.
Perilla oil, ¼c. per lb.
Stearin, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.1	**101.1**	**101.5**	**128.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—The local market ruled quiet much of the time last week, although a better inquiry was noted in some circles late in the period. Actual transactions, however, were apparently limited to unimportant quantities. Reports were current of buying in China for account of foreign interests and this had the effect of making local sellers firmer in their views, asked prices in some instances being about one cent higher than the quotations prevailing early in the period. There were still offerings, however, at around 14c. per pound for tank cars and it was intimated that with an order in hand this figure could be shaded. There was a disposition in selling quarters to take a rather more cheerful view of the outlook for business, the better feeling being traceable mainly to the results of the elections on Tuesday.

SAN FRANCISCO, Nov. 9.—Chinawood is slightly firmer, being quoted at from 13.80c. to 14c. per pound in tankcars, f.o.b. Pacific Coast ports, with trade slow. Some sellers are out of the market owing to the inability of their Hongkong suppliers to make offerings.

Coconut.—The local market for crude oil was a shade easier last week so far as spot oil was concerned, 3c. per pound being quoted for tankcars. For futures, however, 3⅛c. per pound continued to be named. There were reports of a somewhat better inquiry for spot oil, but actual business was apparently limited to comparatively small quantities, few consumers being disposed to purchase in advance of current needs. Refined oil was steady at the downward revision of prices announced in the previous week.

SAN FRANCISCO, Nov. 9.—Crude coconut is ruling steady, with demand light. Quoted on the basis of 2⅝c. per pound in tankcars, f.o.b. mill and/or dock, Pacific Coast. Both prompt and deferred shipments are available. Copra went through the week unchanged from the previous period and the market was only being followed in a routine way. Suppliers showed no tendency to change their offerings one way or another and there was apparently no feature in the general situation. Arrivals on the Pacific Coast continue good. Quoted on the basis of 1.725c. to 1.75c., with sellers confirming business actually at 1.70c. per pound, c.i.f. Pacific Coast ports.

Corn.—Crude oil appeared to have a somewhat steadier tone although quotations underwent little change. Offerings were light, however, while the inquiry was reported as fair. Refined oil was in moderate request and steady.

Cottonseed.—Edible oil in fair demand and steady, selling schedules being maintained by refiners at the levels ruling in the previous week. Offerings of Brazilian and English semi-refined oil were reported for December forward shipment at equal to 4¾c. per pound in drums, c.i.f.

Oiticica.—The market was steadier with quotations ¼c. per pound higher in some instances, the tone being influenced by the firmer views prevailing in some quarters concerning competing oil.

Olive.—A somewhat better inquiry was noted for foots and denatured oil but consumers showed little disposition to purchase in advance of current needs. The market had a steady tone.

Peanut.—Crude oil was reported as somewhat easier in parts of the South though prices underwent little change. Offerings were reported as light in all sections.

Perilla.—The market was easier to the extent that there were offerings at 9.2c. per pound in tankcars though some sellers continued to quote 9.4c. to 9.5c. The inquiry was reported as quiet. Offerings were generally light.

Soybean.—The market appeared to be quiet so far as new business was concerned, consumers being disposed to hold off for further developments in competing product. Quotations were steady. The final government report made the crop 54,021,000 bushels.

Markets at Other Centers

San Francisco, Nov. 9.—Light trading throughout, coupled also with only a scattered inquiry, featured the local vegetable oil market last week, during which time prices failed to show any appreciable change.

COTTONSEED.—Domestic bleachable oil is quoted on the basis of 7½c. per pound in tankcars, f.o.b. Pacific Coast, with foreign offerings absent.

PERILLA.—Crude oil quoted 9⅛c. per pound in tankcars for prompt or deferred shipment, f.o.b. San Francisco.

RAPESEED.—Refined and denatured oil quoted 6c. per pound in tankcars, f.o.b. Pacific Coast ports for shipment out of the Orient.

TEASEED. — High acid content oil quoted 6c. per pound in tankcars, f.o.b. Pacific Coast ports, with some material named at 6.55c.

Chicago, Nov. 10.—The vegetable oil market here has been quiet as a whole. Principal grades of crude have been able to hold their own without much difficulty. Some of the refined grades are reported a little lower than recently.

COCONUT.—Coast basis, November-forward, 2⅝c. to 2¾c. per pound. Refined edibe oil, 8½c. to 9c. per pound, barrels, car lots, and 9c. to 9¼c., barrels, less than car lots.

CORN.—Crude, low acid, 6⅜c. to 6½c. per pound, partly nominal. Refined edible oil, 9½c. to 10c., barrels, car lots, and 10c. to 10¼c. barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 16c. to 16¼c. per pound, spot; 15¼c. to 15½c., deferred.

PEANUT.—Crude, 6⅝c. to 6¾c. per pound.

SOYBEAN.—Crude, mills, 4⅞c. to 5c. per pound.

The market for soybeans on the Chicago Board of Trade was irregular, but in the main the tone was regarded as better and at times the tendency of prices was upward. Developments in grain were of a strengthening character, and the same applied to the action of other commodities, as well as the news concerning general business and political conditions. The final government crop report, issued November 10, put the yield per acre at 19.6 bushels, and the crop 54,021,000 bushels. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Nov. 10.	Closing Nov. 4.
Cash, No. 2..	$0.74	$0.71¼	$0.74	$0.70½
December	.73½	.71¼	.74	.70¾
May	.76½	.73⅝	.76½	.73

Linseed Oil

Flaxseed prices moved within moderate limits in domestic and foreign markets last week. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, Nov. 10.—Cash flax is in fair to good demand with but little offered, but outside of that there is no feature of importance. There is light bidding for December futures and the market shows a slight advance over a week ago. So far as crop preparation for next year is concerned, some rain has fallen in the eastern section of the flax area but the western one continues dry. The freeze-up is at hand, and but little more chance for improvement is possible, unless the snow deposits are excellent.

The week's closing price range was as follows:—

	Cash.	Dec.
Saturday	$1.79½	$1.68
Monday	1.80	1.68½
*Tuesday	...	...
Wednesday	1.82	1.68½
Thursday	1.82½	1.68½

* Holiday.

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	44,270	39,215	2,738	....
Since Aug. 1...	1,230,442	1,016,344	742,565	608,352

MINNEAPOLIS, Nov. 10.—Good demand for cash flax continued through the week and prices ruled firm to strong compared with futures. Offers were moderate from day to day and readily absorbed, largely by local crushers. A shipper bought some diversion point offers for movement down to lakes, but this buying will soon be over as the close of navigation is near at hand and eastern mills will secure their requirements from Argentina.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *(distilled)*
STAR BRAND
(saponified)
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
Factory: Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

W.C.HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
FATTY ACIDS
Cottonseed Oil Coconut Oil Palm Oil
Corn Oil Lauric Specialty
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

Local elevator stocks of seed decreased 42,000 bushels last week and during a period of four days of the present week the total decreased 95,000 bushels more as compared with a loss of 20,000 bushels in the same period a year ago. Crushers have to draw on their reserves early owing to lack of fresh receipts of importance.

Receipts late last week were very light but some gain showed over the weekend and up to today the movement to terminals has been fair. Shipping advices are moderate to light. Prices still are strong compared with wheat and other grains.

Average quality of flax arriving at present is good as most of the supply is moving from nothern territory. Southern seed is scarce and in good demand unless scabby or damaged.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.79½	$1.68½	$1.70
Monday	1.80	1.69	1.70½
*Tuesday	...	...	...
Wednesday	1.81	1.70	1.72
Thursday	1.82½	1.70½	1.72½

* Holiday.

Crop movement in bushels as follows:—

	Receipts—		Shipments—	
	1938.	1937.	1938.	1937.
This week	47,160	66,940	1,430	41,880
Since Sept. 1	2,488,290	2,638,840	181,860	279,112

WINNIPEG, Nov. 10.—The flaxseed market was quiet. Prices moved in company with grain. The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.33	$1.32½	$1.32⅞
Monday	1.33½	1.32½	1.32¼
Tuesday	...	...	...
Wednesday	1.34	1.33¾	1.33
Thursday	1.34	1.34	1.33⅞

BUENOS AIRES, Nov. 10.—Opening prices per bushel on November contracts were:—

	Last week.	Last year.
Saturday	$1.02	$1.31⅝
Monday	1.01½	1.31½
Tuesday	...	1.32
Wednesday	1.03⅛	1.32¼
Thursday	1.04⅛	*..

* Holiday.

INDIA.—Exports of flaxseed from India last week were as follows:—

	Bushels—		
To—	Last week.	Previous week.	Last year.
United Kingdom	428,000	12,000	304,000
Continent	120,000	.....	24,000
Others	*20,000	20,000	32,000
Totals	568,000	32,000	360,000

	Bushels—	
Since April 1—	This year.	Last year.
United Kingdom	7,972,000	6,219,000
Continent	668,000	268,000
Others	356,000	888,000
Totals	8,996,000	7,375,000

* To Australia and Japan.

HULL, Nov. 11.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£10½	£12⅛
Monday	10⅛	12⅛
Tuesday	10	12⅛
Wednesday	10	12⅛
Thursday	10¼	12¼

Linseed Oil.—A steady tone prevailed in the local market last week in the absence of any wide changes in flaxseed prices. Quotations on oil were generally maintained at the recently reduced levels. Quieter conditions prevailed so far as new business was concerned but the movement into consuming channels apparently held up well and in some quarters there was a tendency to increase estimates of consumption during the current season, sentiment concerning the outlook being more optimistic as a result of the elections on Tuesday.

Cash flaxseed continued to meet with a good demand in Northwestern markets, crushers being the principal buyers, though there was also purchasing by cash houses. Offerings were generally light and readily absorbed. Stocks in elevators in the Northwest have decreased recently at a more rapid pace than at this time last season. The quality of the arrivals at terminal points was said to be good. The final estimate of the crop, published by the government on Thursday, put the yield at 8,096,000 bushels against 7,936,000 bushels in October and a production last season of 6,777,000 bushels.

Receipts of flaxseed at New York last week were 459,232 bushels and also a quantity, details as to the size of the latter being unobtainable.

MINNEAPOLIS, Nov. 9.—Not much interest displayed in linseed oil during the week and sales were limited. Most of the buyers had their eyes turned toward Argentina and were conservative takers of domestic oil. Trade at the moment is the poorest in quite a period. Occasional inquiries come to hand but none of the buyers are signing contracts for round lots to be delivered in the near or deferred future. Most of them want to know more about the Argentina situation before adding to their open interest in domestic oil. Current news from Argentina is very favorable and liberal production is forecast.

Local mills are operating at about 50 percent of capacity and unless the flax movement increases are apt to slow down more. Shipping instructions continue fair to good, but are not liberal enough to take care of all of the oil that is being turned out.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 8c. per pound; cooperage cars, 8.6c., and warehouse lots, 9c.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	1,042,554	524,196
Since Sept. 1	17,400,241	15,004,179

SAN FRANCISCO, Nov. 9.—There was another two-point drop in the linseed oil price schedule last week, with sellers stating that the new level represented the best they could do for the present, counter bids of buyers notwithstanding. However, there apparently wasn't much in the way of a market test, although earlier in the period prompt shipment. Deliveries on old contracts are holding up. Quoted:—Tankcars, 7.9c. per pound; drum lots, ex mill, 8.5c.; drum lots, ex warehouse, 8.9c.

CHICAGO, Nov. 10.—Supplies of linseed oil are quite ample in relation to the current needs as expressed in terms of immediate orders and inquiries involving early delivery. Ruling prices are:—Tankcar, 8.2c. per pound; car lots, 8.8c.; less than car lots, 9.2c.

LONDON, Nov. 11.—Quotations on linseed oil were:—

	Per cwt. £.	d.
Saturday	21	6
Monday	21	6
Tuesday	21	6
Wednesday	21	9
Thursday	22	1½

Cake and Meal.—Quiet conditions prevailed in the local market last week. There were reports of a fair inquiry for meal from domestic buyers but the movement was apparently limited to unimportant lots. The market had a steady tone.

MINNEAPOLIS, Nov. 10.—No particular force to meal buying and prices show an easier tendency. Stocks here are gaining moderately and now the crushers have a small surplus on hand after accounting for their open contracts. Feeding in the country continues moderate because of good weather conditions. So far there has been no real freeze and pasturage is still available. Shipping instructions are none too prompt at the moment. Current shipments are very small compared with year ago figures. Interior stocks have been built up slightly.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $39 to $39.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	1,301,315	5,462,750
Since Sept. 1	24,929,945	52,861,806

CHICAGO, Nov. 10.—Buying of linseed meal has been of a draggy character lately, but there has been no evidence that the price structure was bogging down to any important extent. Ruling prices are:—Round lots, $38 to $38.50 per ton; car lots, $38.50 to $39; less than car lots, $40.50 to $41.

Cottonseed Oil

Refined cottonseed oil futures were quiet. Prices were irregular within moderate limits. Southern markets generally steady.

Cottonseed Oil.—Trading in refined cottonseed oil futures was on a comparatively small scale last week. Business was suspended on two days and in such circumstances many traders were disinclined to engage extensively in fresh ventures on either side of the account. Fluctuations in prices were within narrow limits, the range between the high and the low point of the week being about 15 to 20 points, with final quotations on Thursday about where they stood at the close of the previous week.

A development of interest was the publication of the monthly government report on the cotton crop. This pointed to a yield as of November 1 of 12,137,000 bales against 12,212,000 bales a month earlier and 18,946,000 bales last season. The figures were somewhat lower than had been expected but the difference was not sufficiently marked to have any decided effect upon sentiment although some who sold recently were disposed to cover. The quantity of cotton ginned to November 1 was 10,124,708 bales against 13,160,423 bales last season.

Southern markets for crude oil were generally steady. Sales were light but this was regarded by some as due more to a disinclination on the part of sellers to meet the views of buyers than to any lack of inquiry. Seed prices were generally maintained at recent high levels with offerings light. Domestic trade in cash lard was fairly active. Exports were lighter, however, and the clearances of lard from Atlantic and Gulf ports for all destinations during the first four days of November were 4,046,122 pounds smaller than in the same time last season.

Receipts of hogs were liberal, arrivals in the principal Western centers for four days of the week aggregating 268,400 head against 234,800 head in the same time last season. The weight of the hogs received in Chicago during the week ended November 5 averaged 234 pounds against 233 pounds in the previous week and 220 pounds in the week before that.

The weekly government crop report stated that the work of picking and ginning cotton continued in northern sections of the belt where harvest has not been completed, but because of rain or other unfavorable conditions work was less active then in recent weeks. In general very little cotton remains to be picked.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from November 4 to November 10, inclusive, comprised 368 contracts, a total of 22,080,000 pounds. Following is a price record for the week:—

	Cents per pound— High.	Low.	Close.
January	7.62	7.46	7.58 Sale
March	7.74	7.56	7.70 Sale
May	7.83	7.64	7.81@7.82
December	7.52	7.40	7.48@7.50
Crude, Southeast—.0637½@.0650.			

Chicago, Nov. 9.—The cottonseed oil market here has been showing a fairly stable aspect, although there has been some indication of a little easing in some quarters, and some prices are a shade lower. Buying continues to be fair, with no outstanding feature present. Takings seem to represent about all the actual needs of the buyers currently. Sellers seem fairly firm in their positions. Good off-Summer yellow fig oil is 7⅞c. per pound. Refined edible oil is 9¼c. to 9½c., barrels, car lots, and 9¾c. to 10c., barrels, less than car lots.

Hull, Nov. 11.—Quotations on cottonseed oil were:—

	Refined. a.	d.	Egyptian crude. a.	d.
Saturday	20	6	17	6
Monday	20	6	17	6
Tuesday	20	6	17	6
Wednesday	20	6	17	6
Thursday	20	9	17	6

Cake and Meal.—A steady or firm tone continued to be reported in Southern markets for spot material. Offerings were generally light and price changes in some sections were upward. There was a fair movement of meal to domestic buyers.

Markets at Other Centers

Atlanta, Nov. 9.—Meal is firm and prime crude oil weak. The crop is virtually harvested and seed are in trade channels and held at a rather firm price. The quality of seed with respect to oil yield is regarded fair to good.

Among growers there is much discussion of crop allotments for next year, with report of considerable demand for changes.

Prime crude oil is offered in the Southeast at from 6.50c. to 6.75c. per pound, but there is little interest reported by either sellers or buyers. Meal is offered at $22.50 to $23.50 per ton for 7 percent at Southeastern mill points.

Memphis, Nov. 10.—Some sales of crude cottonseed oil were reported in the Valley at 6¾c., and that figure is still bid. Meal demand more active and market firmer, with $22 per ton quoted for 41 percent. Slab cake, $20 per ton for 41 percent, Memphis basis. Cake, 41 percent, $20 per ton at Mississippi points, prompt, and November, December shipment. Hulls, $4.50 per ton, Memphis basis. A large Memphis cottonseed mill is now crushing soybeans. Other mills in this section may do likewise. Cotton picking and ginning nearly completed in this section.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	November 3.	November 8.
December	$20.40@20.65	$21.85@——
January	20.70@20.95	22.00@22.15
March	21.55@21.80	22.50@——
May	21.85@22.25	22.75@——

Fatty Acids

Caproic Acid.—Selling schedules were held by producers at the levels prevailing in the previous week. No broadening of business was noted, local and other consumers apparently being disposed to adhere to a conservative course in making purchases.

Castor Oil.—A steady tone continued to prevail in the market here for this fatty acid. Business was of a routine character, consumers showing little disposition to purchase to any material extent in advance of current needs.

Cottonseed Oil.—The market for this fatty acid had a steady tone, quotations undergoing little change in the absence of any wide fluctuations in prices for basic material. There was a fair movement to local and other consumers.

Linseed Oil.—Quiet conditions prevailed in the market for this fatty acid so far as new business was concerned although there were reports of a fair contract movement. The market had a fairly steady tone.

Stearic Acid.—The recent firmness of raw material had little effect upon consumers, many of whom were still disinclined to provide for future needs. There was a fair movement on contracts, however, and the market had a steady tone.

Tall Oil.—The situation lacked new features of interest, although the tone was steady, quotations being stationary. There was a fair inquiry, the movement into local and other consuming chan-

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

• OILS •
CHINA WOOD OIL
PERILLA OIL
SARDINE OIL
SPOT FUTURE
L. N. JACKSON & CO., Inc.
29 Broadway New York, N.Y.

CRESYLIC ACID
English A.D.F. Specification
FATTY ACIDS
All Kinds
JAPAN WAX
CARNAUBA WAX
T. G. COOPER & CO., Inc., 47-49 N. Second St., Philadelphia, Pa.

THE BRODE CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yopps, Robinsons, Bentleys, A. B. C.5th Edition

FATTY ACIDS
INDUSOIL (refined Tall Oil) and LIQRO (crude Tall Oil) are inexpensive domestic fatty acids derived from pine wood. They are available in large quantities from our plants in Covington, Va. and Charleston, S. C.
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nels apparently being up to that of recent preceding weeks.

Markets at Other Centers

Chicago, Nov. 9.—With basic materials markets holding their own without much difficulty, the fatty acids seem to be in a fairly stable market position and are revealing few new market tendencies. Buying has been maintained at a fairly liberal rate.

FATTY ACIDS.—Corn oil, double distilled, 7¾c. to 8c. per pound, tankcar; 8¼c. to 8½c., barrels, car lots; 8¾c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., barrels, car lots; 8¼c. to 8½c., barrels, less than car lots; settled cottonseed soapstock, 60-62 percent basis, 2¾c. to 3c.; boiled down soapstock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Menhaden.—Quieter conditions prevailed in the local market for spot oil last week. In some quarters a fair movement of moderate lots on contracts previously placed was noted but new business showed some falling off, consumers being inclined to curtail purchases pending further developments in other commodities. The tone remained steady, selling schedules being held at previous levels. Crude oil continued to be reported as quiet and steady.

Sardine.—Quotations on refined oil were stationary and the tone of the market appeared to be steady. There was a fair inquiry, though consumers showed little disposition to purchase in advance of current needs. Crude was reported as quiet and firm.

Sperm.—The market retained a steady tone, quotations being maintained at previous levels. A fair movement of moderate quantities was reported.

Markets at Other Centers

San Francisco, Nov. 8.—California sardine oil continued to maintain the advance in price achieved during the previous week of trading, when, last week further sales of crude went into consumption at a level of 28½c. per gallon in tankcars, f.o.b production point, northern California. At the same time there were reported sales out of the southern portion of the state on the basis of 29c. per gallon, with sellers in that locality now asking 31c. Bids are said to be present for southern oil at 30c., but apparently these are not being acted upon by the producers, who are not so anxious to sell until production picks up. Here in the north, sellers could move quite a quantity of oil at around 27c., provided they had it on hand and were inclined to sell at such a price, as substantial bids are said to be present on that basis.

With a full moon just disappearing and with previous rough weather, fishing has been anything but good and as a matter of fact, operations have been practically stalemated for some little time. Southern California, which opened up for fishing and fish reduction operations on November 1, has had only a few hundred tons turned in so far, the full moon coming up to interfere.

Just now producers would rather wait and see what happens than to sell oil which they have some doubt of making. Because of that offerings are light and are held rather firmly. When the boats go out in earnest again this week there may be seen more activity in the sale of fish oil—provided the sardines are found to be running good once more.

Baltimore, Nov. 9.—Although the menhaden caught now are about the fattest of the season, the hauls of late have been so small that the additions to the stock of oil failed to make up measurably for the previous deficiency in production. Fishing companies generally have been unable to take care of all of the orders for oil booked last Summer, and as a result only some small lots are still held for any casual buyer who might come along and pay the price asked by the sellers. Consequently another week passed without reports of sales, and now, with operations about over, there would seem to be no chance of stocks of oil in any considerable volume being offered. The North Carolina fishing season is about starting, and the companies there may have better luck. They intercept the fish as the latter move down the coast toward the warmer waters of the South and this gives the North Carolina plants their opportunity. The last sale of oil of which there was any record brought 28c. per gallon at production point, which would make it about 30c. in Baltimore. Refiners here state that they are not buying nor selling any oil, with the trade virtually stagnent.

Fats and Greases

Grease.—The tone of the market was steadier, influenced by recent developments in other commodities. There was a fair inquiry for moderate lots to fill the current needs of local and other consumers.

Lard.—Local spot quotations were irregular in company with futures in the West, changes generally being within moderate limits. Domestic trade was quiet. There was a fair export movement. Receipts of hogs at some points were lighter.

Stearin.—The market was quiet but in the absence of any pressure of offerings a steady tone ruled.

Tallow.—A steady or firm tone prevailed much of the time in the local spot market, although business was quieter, large consumers being inclined to hold off for further developments after the recent advance. The tone of the market, however, was regarded as steady or firm. Offerings were reported as light. The last transactions reported were on the basis of 5¼c. per pound for extra.

There was no trading in tallow futures on the New York Produce Exchange from November 4 to November 10, inclusive. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	....	....	5.50@5.65
December	....	....	5.30@5.45

Markets at Other Centers

Chicago, Nov. 10.—The cash lard market here has been making a fairly good showing lately, with prevailing market values in fair comparison with those in effect for some time. Buying is reported to have attained fair proportions, although a note of caution is still encountered. Shipping trade has been moderate.

—*Continued on page* 50

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Price Trends of Representative Chemicals, Oils, Drugs: 1934-38

Industrial Chemicals

	1934. H.	1934. L.	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	*1938. H.	*1938. L.
Acetic acid, 28%	$2.91	$2.40	$2.45	$2.40	$2.45	$2.45	$2.53	$2.23	$2.23	$2.23
Boric, tech., gran	80.00	80.00	105.00	80.00	105.00	105.00	105.00	105.00	105.00	105.00
Chromic	.13¾	.13½	.14¼	.13¾	.14¾	.14¾	.15¼	.14¾	.15¼	.15¼
Sulphuric, 66 deg	15.50	15.50	15.50	15.50	15.50	15.50	16.50	15.50	16.50	16.50
Alum, ammonia	3.00	2.75	2.75	2.75	2.75	2.75	3.00	2.75	3.15	3.15
Alumina sulphate, com'l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.15
Ammonia, anhyd	.15½	.15½	.16	.15½	.16	.16	.16	.16	.16	.16
Bleaching powder	1.90	1.90	2.00	1.90	2.00	2.00	2.00	2.00	2.00	2.00
Calcium acetate	3.00	2.00	2.10	2.00	2.10	2.10	2.25	1.65	1.65	1.65
Arsenate	.07	.05	.06	.06	.06½	.06	.06¾	.06½	.06¾	.06¾
Chlorine, liq., tech	2.00	1.85	2.15	2.00	2.15	2.15	2.15	2.15	2.15	2.15
Potash carbonate	.07¾	.07½	.07¾	.06½	.06¾	.06½	.06½	.06½	.06½	.06½
Caustic	.07½	.06¼	.06¼	.06¼	.07	.06¼	.07	.06¼	.07	.07
Soda ash, 58% light	1.05	1.05	1.05	1.05	1.05	1.05	1.05	.90	1.10	1.10
Caustic, elect	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.30	2.70	2.70
Phosphate, tri	2.70	2.40	2.40	2.10	2.10	1.75	2.00	1.75	2.00	2.00
Silicofluoride	.05	.04¾	.05	.04¾	.07	.04½	.06½	.05¾	.05¾	.04¾
Sulphate, anhyd	2.20	2.20	1.15	1.15	1.45	1 15	1.45	1.45	1.45	1.45

Coaltar Chemicals

Anilin oil	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15
Betanaphthol	.22	.22	.24	.22	.24	.24	.23	.23	.23	.23
Benzol	.22	.15	.18	.15	.18	.16	.16	.16	.16	.16
Creosote oil, crude	.11	.11	.12	.11½	.13	.12½	.13½	.13	.13½	.13½
Cresylic acid	.54	.46	.51	.42	.73	.51	.89	.72	.89	.73
Naphthalene, crude	2.15	1.75	3.00	1.75	4.00	2.50	3.00	2.00	2.35	2.35
Phenol	.14¼	.14¼	.14¼	.14¼	.14¼	.13¾	.14½	.13¾	.14½	.14½
Phthalic, anhydride	.15½	.15½	.15½	.15½	.15½	.15½	.15½	.14½	.14½	.14½
Solvent naphtha	.26	.26	.30	.26	.30	.30	.30	.30	.30	.26
Toluol	.30	.30	.30	.30	.30	.30	.30	.30	.30	.22
Xylol	.26	.26	.30	.26	.30	.30	.30	.30	.30	.26

Dyestuffs, Textile, Leather Chemicals

Cochineal	$0.36	$0.34	$0.34	$0.32	$0.32	$0.32	$0.35	$0.32	$0.35	$0.35
Cornstarch	3.56	2.81	3.66	3.23	4.19	3.90	4.33	2.63	2.65	2.40
Egg yolk	.46	.42	.56	.46	.54	.49	.68	.52	.66	.62
Fustic, ext., liq	.09½	.08½	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½
Logwood, ext., liq	.08½	.08½	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½
Myrobalans	29.00	25.00	25.00	23.00	24.50	21.50	31.00	25.50	30.00	25.50
Potash bichromate	.08½	.08½	.08½	.08½	.08¾	.08½	.08¾	.08¾	.08¾	.08¾
Soda bichromate	.06½	.06½	.06½	.06½	.06¾	.06½	.06¾	.06¾	.06¾	.06¾
Sumac, grd	70.00	58.00	58.00	50.00	65.00	52.00	65.00	59.00	68.00	63.00
Valonia	48.00	39.00	58.00	41.00	64.50	46.00	49.00	46.00	50.00	46.00

Paint, Varnish and Lacquer Materials

Acetone	$0.11	$0.10	$0.11	$0.11	$0.11	$0.06	$0.06	$0.05	$0.05¾	$0.05¾
Barytes, dom	22.20	22.20	22.85	22.20	22.85	22.85	22.85	22.85	22.85	22.85
Butyl alcohol	.12	.09½	.12	.11	.11	.08½	.09	.09	.09	.08½
Carbon black	.0505	.0505	.0505	.0505	.0505	.0505	.0503	.0355	.0380	.0330
Chrome yellow	.15	.15	.15	.11	.13	.11	.15½	.13	.14½	.14½
Copal, Manila, W.S	.09¼	.09¼	.09¾	.08½	.09¾	.08½	.08¾	.08½	.08¾	.08
Dammar, Batavia	.13¾	.11¾	.13½	.11¾	.14½	.12⅝	.17¼	.14½	.17¼	.13⅝
Ester gum	.07¼	.05⅞	.07⅝	.07¼	.10	.07⅝	.11½	.09	.09	.06¼
Film scrap, w.w	.14	.14	.15	.14	.15	.15	.15	.15	.16	.13
Iron blues	.36½	.35½	.37	.36½	.37	.36	.36	.36	.36	.36
Nitrocellulose s/s	.29	.29	.29	.29	.29	.28	.28	.28	.28	.28
Ocher, Fr., light	.03	.02½	.03	.02½	.03	.02¼	.02⅝	.02¼	.02⅝	.02⅝
Red iron oxide	.09¼	.08¾	.08¾	.08½	.08½	.08½	.08¾	.08½	.08⅝	.08½
Red lead	.07¾	.06½	.07½	.06½	.09	.07½	.10¾	.07½	.0760	.07¼
Rosin	6.75	5.00	6.00	5.15	11.05	5.50	11.75	6.05	7.25	5.15
Shellac, bone dry	.35	.26	.31	.19	.23½	.17½	.21	.17	.19	.16½
T. N	.28	.17	.21	.14½	.17	.13½	.14	.12	.12	.11
Titanium white	.06	.06	.06	.06	.06	.05¾	.05⅞	.05¾	.05⅞	.05⅝
Turpentine	.66	.46½	.56½	.48	.50¾	.40¾	.48½	.31½	.36¼	.23½
White lead	.06½	.06½	.06½	.06½	.07¼	.06½	.09	.06½	.06⅝	.06
Zinc oxide, l. f	.06½	.05¾	.06½	.05	.05¼	.05	.06¼	.05¼	.06¼	.06¼

Oils, Fats, and Waxes

Beeswax, Afric	$0.21½	$0.20	$0.23½	$0.21	$0.26	$0.23	$0.29½	$0.25	$0.25	$0.22½
Candelilla wax	.14	.10½	.16	.10	.16	.15	.15½	.13	.15	.13½
Carnauba wax, 3, chalky	.21	.16	.39	.21	.36	.33½	.38¾	.33	.33½	.31¼
Chinawood oil	.098	.072	.35	.088	.0860	.1260	.2400	.1180	.1550	.0920
Coconut oil	.03¾	.02½	.06½	.03½	.09¼	.03⅞	.10½	.03⅞	.04¼	.03¼
Corn oil, crude	.09½	.03½	.11	.08¾	.10¼	.08	.10¼	.06½	.08	.06⅝
Cottonseed oil, crude	.0952	.0337½	.01050	.0800	.1000	.0750	.1050	.0587½	.0750	.0587½
Japan wax	.06¾	.06	.08¾	.06	.09¾	.08¼	.11	.09½	.10¼	.09¼
Lard	10.35	4.10	16.90	10.90	13.70	10.25	14.15	8.80	9.65	8.30
Lard oil	13.50	7.50	20.50	13.50	16.25	12.25	16.75	12.75	12.75	11.25
Linseed oil	.0950	.0810	.0960	.0770	.0970	.0880	.1070	.0960	.0970	.0750
Menhaden oil	.25	.15	.35	.25	.36	.28	.45	.34	.40	.27
Neatsfoot oil	16.50	16.50	17.00	16.25	16.75	16.00	18.25	17.00	17.25	15.25
Olive oil	.89	.84	.94	.80	1.60	.70	1.65	1.15	1.15	.88
Perilla oil	.09½	.08¼	.10½	.07¼	.11	.08	.13¼	.10½	.11	.09
Red oil	.06½	.06	.08¾	.06½	.09¾	.07	.10¾	.08¾	.08¾	.07½
Sardine oil	.25	.13	.38	.24½	.46	.28	.54½	.36	.46½	.28
Soybean oil	.0800	.0600	.1000	.0800	.1050	.0700	.1080	.0600	.07	.0587½
Stearic acid	.10	.09	.11¼	.09½	.11½	.08½	.12½	.11	.11	.10½
Tallow	.05½	.02⅞	.07⅞	.05⅝	.08¾	.04½	.10¼	.05⅞	.06⅝	.04½

* January 1 to September 30, 1938.

Drugs and Fine Chemicals

	1934. H.	1934. L.	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	*1938. H.	*1938. L.
Agar agar, 1	$0.55	$0.52	$0.90	$0.52	$0.90	$0.67	$1.15	$0.72	$1.05	$0.85
Alcohol, S.D. 1	.316	.295	.31	.295	.31	.23	.27	.26	.27	.23
Aloin	1.30	.90	1.60	1.30	1.60	1.50	2.00	1.50	2.65	2.00
Bismuth subcarbonate	1.80	1.65	1.65	1.40	1.40	1.40	1.40	1.23	1.33	1.22
Metal	1.30	1.10	.90	1.00	1.00	1.00	1.00	1.00	1.05	1.05
Cadmium metal	.55	.55	.85	.55	1.05	.85	1.60	1.05	1.60	.95
Calomel	1.31	1.11	1.11	1.01	1.40	1.01	1.59	1.40	1.50	1.18
Castor oil	.09½	.09½	.10	.09½	.10	.10	.10	.10	.10	.09
Corn syrup, 42°	3.59	3.04	3.63	3.18	4.10	3.05	4.36	3.11	3.11	2.94
Corrosive sublimate, cryst.	.88	.82	.76	.71	1.05	.76	1.30	1.20	1.30	1.05
Cream of tartar	.19¾	.17¾	.17¾	.17¼	.17¼	.15	.19¾	.15	.22¾	.19¾
Epsom salt	2.15	2.15	2.15	1.90	1.90	1.90	2.00	1.90	1.90	1.90
Iodine, resubl	2.40	1.90	1.90	1.65	1.65	1.50	1.50	1.50	1.75	1.50
Iron-ammonia citrate, b., s.	.57	.52	.52	.49	.49	.37	.37	.37	.37	.37
Menthol	3.50	2.45	3.75	2.80	3.75	3.10	3.40	3.10	3.25	3.10
Quicksilver	76.00	67.00	75.00	69.50	94.00	74.00	97.00	81.00	82.00	72.00
Quinine	.51	.51	.51	.51	.53	.51	.53	.53	.54	.53
Santonin	48.00	25.00	70.00	26.00	43.00	30.00	43.00	25.00	25.00	21.00
Silver nitrate	.38¾	.31½	.50	.36¾	.33¼	.32¾	.33⅜	.32¼	.32¼	.31½
Thymol	1.85	.165	1.85	1.65	1.65	1.55	1.65	1.55	1.65	1.40
Vanillin, ex eugenol	4.50	4.00	4.00	3.00	3.90	3.75	3.65	3.10	3.10	2.10

Botanical Drugs, Spices, and Gums

Aletris root	$0.27	$0.18	$0.30	$0.27	$0.30	$0.29	$0.45	$0.30	$0.45	$0.38
Arnica flowers	.15	.14	.30	.15	.33	.25	.35	.27	.33	.28
Belladonna leaves	.22	.18	.18	.14	.14	.14	.14	.14	.14	.13
Cascara sagrada bark	.10	.08	.11	.08	.12	.11	.14½	.11¾	.11¾	.00½
Dandelion root	.24	.17	.24	.18	.23	.18	.23	.19	.19	.13
Digitalis leaves	.35	.30	.30	.24	.26	.23	.65	.24	.65	.40
Ergot, U.S.P	.46	.35	2.10	.34	2.25	1.35	2.05	1.50	1.65	1.25
Golden seal root	1.05	.85	2.00	1.05	2.85	2.00	3.55	2.85	3.65	2.95
Gum arabic, sorts	.09½	.08	.13	.09½	.10¼	.09	.14½	.09¾	.11¾	.09½
Henbane leaves	.23	.17	.28	.19	.22	.20	.21	.19	.19	.15
Lavender flowers, select	.60	.40	1.05	.60	1.05	.63	.60	.50	.50	.46
Lycopodium	.32	.32	.80	.32	1.25	.80	1.40	.95	1.30	1.02
Myrrh	.25	.23	.40	.22	.40	.35	.45	.40	.36	.35
Papain	4.50	2.50	3.25	1.75	1.75	.95	2.75	.95	2.75	1.25
Rhubarb root	.29	.24	.38	.23	.35	.30	.75	.32	.65	.32
Saffron, Spanish	12.75	11.25	12.25	9.50	18.00	11.50	23.00	14.00	30.00	23.00
Senega root	.37	.23	.33	.23	.36	.33	.60	.36	.70	.50
Stramonium leaves	.30	.13	.13	.08	.11	.07	.11	.11	.13	.10
Tonka beans, Angost	4.00	2.50	2.75	1.85	2.50	2.50	2.50	2.50	2.50	2.40
Valerian root	.22	.13	.23	.13½	.13½	.11	.11	.09	.12	.08½
Vanilla beans, Bourb	3.00	.85	2.70	2.00	3.75	2.40	4.75	3.25	3.90	3.35
Mexican	3.50	3.00	3.25	3.00	4.00	3.00	4.75	4.00	4.50	4.25

Essential Oils

Anise	$0.45	$0.39	$0.50	$0.40	$0.95	$0.50	$1.35	$0.70	$1.25	$0.70
Bergamot	1.50	1.40	1.80	1.30	2.95	1.60	4.00	2.95	4.00	3.90
Cassia	1.18	1.00	1.52	1.10	1.10	.90	1.25	.90	1.20	.84
Citronella, Ceyl	.38	.24	.28	.22	.29	.18	.42	.32	.42	.35½
Clove	.92	.80	.90	.83	1.05	.88	1.25	1.05	1.07	.95
Geranium, Alg	6.00	4.75	5.25	4.50	5.25	4.50	4.85	4.00	4.00	3.25
Lavender, 30-32%	3.00	2.25	3.00	2.55	2.75	2.55	2.25	2.25	2.25	2.00
Lemon, Calif	.75	.50	1.70	.60	3.00	1.00	3.50	2.60	2.50	2.50
Italian	1.00	.90	1.85	.95	2.85	1.00	3.75	2.60	4.00	3.20
Lime, dist	5.75	4.65	6.00	4.35	5.75	5.45	6.10	5.40	5.40	4.25
Orange, Calif	2.10	1.10	3.00	2.00	3.25	2.25	3.25	1.75	1.75	.65
Italian	1.60	1.10	2.95	1.50	2.75	1.90	4.00	2.25	2.25	2.25
Peppermint, redist	3.65	2.65	3.20	2.05	2.55	2.10	2.80	1.75	2.35	2.15
Spearmint	1.95	1.05	1.75	1.60	2.00	1.40	1.90	1.65	1.70	1.60
Thyme, red	.58	.50	1.35	.58	.85	.68	.85	.69	.85	.69
white	.80	.65	.80	.65	.80	.80	.85	.78	.85	.78
Wormwood	3.00	2.75	2.75	2.45	3.00	2.25	3.00	2.00	2.75	2.65

Petroleum Solvents, Lubricants, Fuels

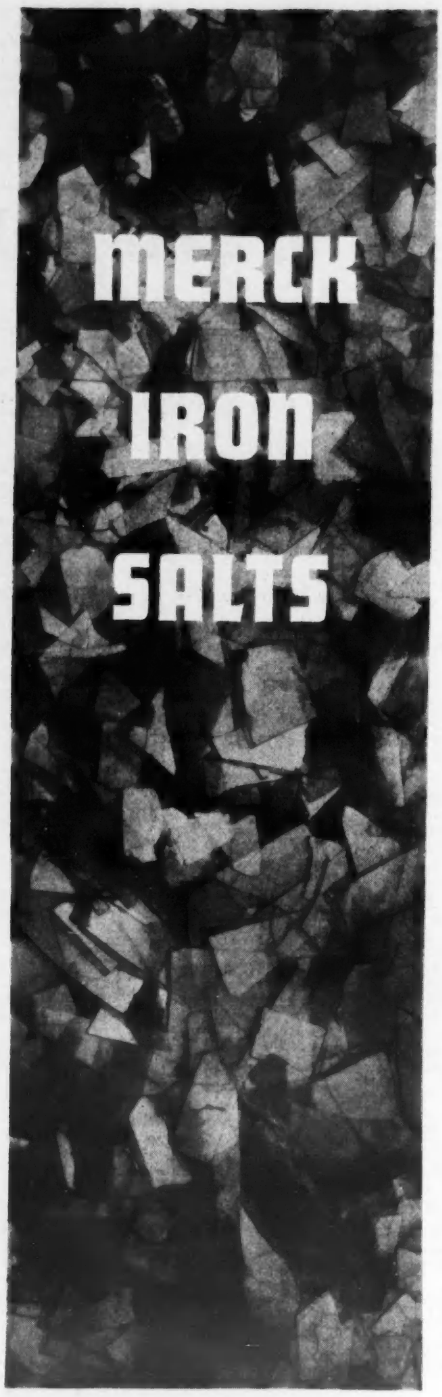
Cylinder stock oil, bright, Pa.	$0.32½	$0.19½	$0.23	$0.18½	$0.25	$0.23	$0.29	$0.20	$0.20	$0.18
Gasoline, 65 oct., G.3	.05	.03⅝	.05⅝	.04¼	.05¾	.04½	.06	.04¼	.04¼	.04
Kerosene, 41-43, G.3	.04½	.02¾	.03¾	.03	.04⅜	.03	.04½	.03¾	.04¼	.04
Paraffin scale	.01¼	.03	.03¼	.1090	.0255	.02¼	.0295	.0140	.0283	.0190
Petrolatum, I. w	.06¾	.06¾	.06	.05¼	.06	.06	.06	.06	.06	.05¼
Petroleum thinner, G.3	.05⅞	.05½	.05⅞	.05⅞	.06⅜	.05⅞	.06⅛	.05⅞	.06⅜	.05⅜
Stoddard solvent, G.3	.06⅜	.05¾	.06⅜	.06⅜	.06⅜	.06⅜	.07⅛	.06⅜	.06⅜	.05⅞
V.m.p. naphtha, G.3	.06⅞	.06¼	.06⅞	.06⅞	.07⅜	.06⅞	.07⅛	.06⅞	.07⅜	.06⅜

Fertilizer Materials

Ammonia sulphate	$25.00	$22.00	$24.00	$21.50	$26.00	$24.00	$28.00	$26.00	$29.00	$25.50
Phosphate rock, Fla., 68%	3.40	2.85	3.40	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Potash, manure salt	.638	.43	.48	.43	.55	.48	.58½	.55	.58½	.58½
Muriate	.71	.40	.45	.40	.56	.45	.53½	.50	.53½	.53½
Soda nitrate	24.50	23.50	23.50	23.50	25.50	23.50	27.00	25.50	27.00	27.00
Superphosphate	8.00	7.50	8.00	7.75	7.75	7.75	8.50	7.50	8.50	8.00

A Guaranty of MERCK Purity & Reliability

When an active blood tonic of mild and pleasant taste is desirable, consider one of the following Merck Iron Salts for the basis of your formula:



IRON CITRATE U.S.P. VIII
Scales · Pearls Powder

IRON & AMMONIUM CITRATES U.S.P BROWN
Scales · Pearls Powder

IRON & AMMONIUM CITRATES U.S.P. GREEN
Scales · Pearls Powder

IRON PHOSPHATE (FERRIC) N.F. SOLUBLE
Scales · Pearls

IRON PYROPHOSPHATE (FERRIC) N.F.
Scales

IRON & QUININE CITRATE U.S.P. IX SOLUBLE
Scales

Further information and prices will be mailed upon request.

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

Drugs, Fine Chemicals

Offering of 750,000 Pounds of Crude Brings Sharp Reduction in All Glycerin Prices—Salicylic Acid Derivatives Hold —Quicksilver Steadier—Aloin Strong

The manufacturers of drugs and fine chemicals give evidence of an improved business sentiment last week. Following the congressional and state elections, renewals of confidence was noted in the conversations of many identified with the industries and there was, apparently, a feeling that the future prospect of business had improved.

Demand in the market as a whole was in line with the season, though expansion has not reached its normal degree as yet. Unseasonably warm and temperate weather has prevailed for some time past and that was the case much of last week. However, a fair amount of new business was booked.

Pricewise, the market was mainly on the steady side. In fact, most of the more important materials in the market were in firm to stable position and, in the main, seemed likely so to remain. Prices on formaldehyde and hydrogen peroxide were extended to cover first quarter business in 1939. Lower quotations were noted on cocoa butter, mannitol, quicksilver, and sorbitol. Early announcement of boric acid and borax contract prices for the first six months of next year was forecast by leading producers.

Acetanilide.—Substantially steady undertones were reported and the market as a whole has assumed a firm aspect, especially during the past week when demand was said to have been very good in the main.

Acid, Acetylsalicylic.—While the call was routine in character, it was steady and built a fair volume on the basis of well maintained prices. At the moment the market lacked signs of further change in values.

Acid, Borax.—Inquiry developed once more the fact that the leading producers were not ready yet to make known their price intentions for the first six months of next year. Interest in the schedule to be was manifested last week. In the meantime, the market remained steady but quiet.

Acid, Citric.—Considering the period of the year, demand was everything it could well be and throughout the week the routine flow of small orders was filled on the basis of very steady prices.

Acid, Gallic.—Price stability was the rule so far as the N. F. article was concerned. Also, demand was stable and in line with the normal movement of the material in recent weeks. Undertones were very steady and competition was negligible.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Cocoa butter, ½c. per lb.
Mannitol, reagent, 15c. per lb.
commercial, ton lots, 6c. per lb.
smaller lots, 8c. per lb.
Quicksilver, $1 per flask.
Sorbitol, commercial solution, car lots, 1½c. per lb.
less car lots, 2c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.5	182.5	182.9	183.0

Market news that may have developed after this report was sent to press will be found on page 4.

Alcohol.—The market continued to show the improved stability that developed when price trend was reversed and values established at higher levels recently. It was evident that better feeling prevailed in the market and a growth of confidence in the future has been well started. Unseasonably warm weather in the eastern states has delayed the normal expansion of sales of antifreeze alcohol; temperatures in New York City broke all records for the local weather bureau during the past fortnight. However, dislocation of seasonal temperatures was no new thing and the trade looked forward to the arrival of true pre-winter weather shortly. Industrial users of alcohol were disposed to consider more fully their long-range requirements and a gain in sales volume appeared to be a matter of the not far distant future.

Aloe.—Undisputed strength pervailed. The primary market for Curacao gum was reported maintained strongly as to price and stocked but moderately with shipment material. The tendency of quotations was upward.

Aloin.—The expected, general advance has yet to take place but the strength of the market was partly disclosed by the fact that one prominent producer was maintaining a price schedule 15c per pound higher than that quoted by other makers. Market sentiment favored the view that the market would ultimately be generally advanced:

Bismuth Metal and Salts.—Demand of a routine sort prevailed in the local market and for the most part the market reflected the fair sized movement by remaining steady in price and showing a slight upward tendency as to price. The position of metal was one of substantial stabilization.

Borax.—Although considerable interest in prices to prevail on contracts during the first six months of the coming year was shown last week, no action in that respect was taken last week. However, information in hand suggested that an announcement may be made shortly.

Calcium Gluconate.—The market was moderately active but most sales involved conservative quantities and signs of a larger purchase scheme were lacking. In the meanwhile, prices appeared to be generally steady to firm with the market clear of unsettling competition.

Camphor.—Prices appeared to be very steady. Both natural and synthetic material moved in line with the season and so far as could be learned trade compared favorably with that in recent periods.

Castor Oil.—Development of a better trend of business generally throughout the country was expected to be reflected ultimately on the consumption of this material. In the meantime, a very fair call was reported and prices appeared to be very steady.

CHICAGO, Nov. 10.—Purchases of castor oil has been moderate to good in the last few days. The basic character of the market appears to have undergone no basic change. Ruling prices are:—No. 1, barrels, car lots, 10½c. per pound; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c. barrels, less than car lots, 10⅜c.; drums, less than car lots, 10⅛c.; tanks, 8⅞c.

Cocoa Butter.—Quotations were lower at 11¾c. to 12c. per pound, and reports indicated that, with a firm order in hand, buyers might purchase at 11⅝c. per pound. The market was slow enough to keep values favorable for those with actual business to place.

Formaldehyde.—Prominent producers extended the present prices to prevail on business during the first quarter of 1939. Although additional production has come into the field, and, although reports of some price shading have been noted, the situation as reported by leading suppliers indicated maintenance of quoted schedules.

Glycerin.—No further change in prevailing schedules on all kinds of glycerin was made last week, but the market was still under the influence of large stocks and a not especially large sales outlet. The future will depend greatly on how the situation in crude glycerin

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Pattinson's
MAGNESIUM TRISILICATE
(SYNTHETIC HYDRATED TRISILICATE OF MAGNESIUM)

. . . in physical and chemical composition conforms to that demanded by the theoretical formula:

MAGNESIA: SILICA RATIO — 1:2.24
IDENTICAL WITH SEPIOLITE ACCORDING TO DEBYE - SCHERRER POWDER DIFFRACTION PHOTOGRAPHS

Free from contamination Free from Alkali

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Write for sample of "Pattinson's" brand Magnesium Trisilicate — For tablets, powders and emulsions

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ANTACID — WIDE ADSORPTIVE AFFINITY
PROLONGED NEUTRALIZING ACTION

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FORMALDEHYDE U.S.P.

Years of specialized experience — and knowledge of the needs of the consuming industries — are reflected in its uniformly high purity and strength.

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CHEMICAL CORPORATION
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CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J., Fords, N. J.

develops. Statistics covering production, stocks, and imports of crude, refined and dynamite glycerin in the first nine months of 1938 provided the following interesting data when comparison with 1937 figures was made:—

	Pounds	
Production—	More.	Less.
Crude	.....	9,544,118
Refined	.....	1,183,180
Dynamite	.....	8,245,246
Stocks—		
Crude	.....	2,569,328
Refined	20,395,349	.....
Dynamite	7,332,702	.....
Imports—		
Crude	.....	4,042,579
Refined	.....	4,549,159

The full statistics follow:—

January-September

	Pounds	
Crude, 80 percent basis—	1938.	1937.
Production	121,061,566	130,605,634
Stocks*	13,265,631	15,834,959
Imports	8,656,355	12,698,934
Refined—		
Production	68,742,469	69,925,649
Stocks†	44,278,211	23,882,862
Imports	2,386,300	6,935,459
Exports	3,218,075	1,065,991
Dynamite—		
Production	31,915,191	40,160,437
Stocks†	23,178,756	15,846,054

* Preliminary.
† Bureau of the Census.

CHICAGO, Nov. 10.—Orders for various grades of glycerin are reported to be reaching suppliers briskly, and the purchasing policy of the trade seems to be along liberal lines. C.p. material is moving out well and tone apparently is quite healthy, following recent price reductions. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Iodine and Iodides.—Prices on iodides were retained unchanged and were, apparently, in steady position last week. The situation in crude iodine was much the same as that prevailing for a considerable period of time. According to recent advices, although production of iodine in Japan rose from 30,919 kilos in 1935 to 37,570 kilos in 1936, the total output of potash iodide declined from 64,592 kilos to 32,554 kilos.

Mannitol.—Substantial reductions in prices were announced by the producers and new schedules were set up as follows: reagent, pure crystals, works, $1.15 to $1.20 per pound, quoted as to quantity bought; commercial crystals, ton lots, 49c.; smaller lots, 62c.

Peroxide of Hydrogen.—Prominent producers have extended present prices to cover business for delivery during the first quarter of 1939. A generally steady market position was noted.

Potash Sulphate.—Fair sized request was current and the market on N. F. material was reported to be holding in well stabilized position in the absence of competition or conditions likely to disturb the situation in the nearby future.

Quicksilver.—The market was $72 to $76.50 per pound with very little being actually done so far as sales into consumption were concerned. Sellers reported an exceptionally narrow consuming interest. However, some disposition to look for market improvement was noted, the same being based on the general lift to business sentiment that came early in the week.

SAN FRANCISCO, Nov. 8.—A routine inquiry and a routine amount of business in the quicksilver market was noted during the past week, according to local sellers. The situation was unchanged from the previous period. The situation is steady, with quotations ranging from $74 to $75 per flask, depending upon quantity. Locally, a fair demand for gold mining operations continues.

Quinine.—The steady quality of demand was the substantial feature of the market on quinine and quinine salts. A steady flow of daily orders was received and liberal stock reserves on spot meant prompt shipments. Prices were fully steady in all respects.

Salol.—While the market lacked substantial change as to demand, it was reported that the call was of a steadier

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CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
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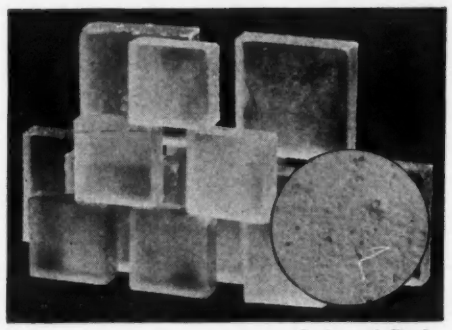
CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .



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Meets all U.S.P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
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BORAX
Reg. U. S. Pat. Off.
PURITY GUARANTEED OVER 99.5%
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"TRONA" MURIATE OF POTASH
TRONA
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A 95-98% Grade for Agricultural Use.
A Special High Grade for Use in the Manufacture of Industrial Chemicals.
AMERICAN POTASH & CHEMICAL CORPORATION
70 PINE STREET - NEW YORK
Stocks carried in principal cities of the United States and Canada

sort and the general situation seemed to be well stabilized with prices holding firmly in all quarters.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42¾	19 7/16
Monday	31½	42¾	19 7/16
Tuesday	*	*	19 7/16
Wednesday	31½	42¾	19⅜
Thursday	31½	42¾	19⅜
Friday	31½	42¾	*

* Holiday here.

Sorbitol.—Lower quotations were announced by the producers and commercial solution in car lots was 15½c. per pound in car lots, and 16c. in less than car lot quantities.

Tartar Emetic.—The market was steady to firm in line with the general position of all tartar products over a considerable period of time. Demand was up to its recent level and conditions gave no sign of an early change in that aspect of affairs. According to a report of the Department of Agriculture, tartar emetic solution for use in the control of the gladiolus thrips is cheaper and less injurious than the paris green spray which has been mainly used in the past. The tartar emetic spray does not burn the foliage and the corms harvested after treatment weighed a third more, on the average, in experiments conducted by the Bureau of Entomology and Plant Quarantine.

Reizenstein Recovering

Louis J. Reizenstein, president of Falk & Co., industrial oils manufacturer, Pittsburgh, who became seriously ill at the recent Atlantic City convention of the National Paint, Varnish and Lacquer Association, has been confined to the West Penn hospital, Pittsburgh, for the past two weeks. After a short vacation, which will be necessary for a convalescent period, Mr. Reizenstein will return to his office.

Obituaries

—Continued from page 4

Shibley took over the Schwartz interest. In 1909 the Wooster Brush Company was incorporated, with Walter D. Foss as president, and which office he occupied until the Summer of this year, when he retired as president but remained on the directorate of the company.

He was a member of the Cleveland Paint, Oil and Varnish Club from its inception, and served as president of that organization in 1900 and again in 1910. He had always assumed an active part in the affairs of the national association. At the New York convention in 1912 he was elected president, but declined to disregard precedent, on account of the 1913 convention going to Minneapolis. However, he was elected for the second time at the Louisville convention in 1914, and served the national association as president in 1914-15.

Mr. Foss was the first president of the Wooster Board of Trade, and served in that office for ten years. He organized the Wooster Country Club. He was a trustee of Wooster College and, in 1901, after the disastrous fire, he headed the drive for $100,000 for rebuilding that institution. He was prominent in Masonic activities, and was also a member of the Cleveland Rotary Club, the Cleveland Athletic Club, the Acadia Country Club, and the American Club, in Havana, Cuba.

Surviving are three sons, Oscar, Clifford and Walt. Mrs. Foss died in 1913.

Dr. Alfred J.M. Lasche

Dr. Alfred J. M. Lasche, an eminent chemist and zymotechnologist, died November 7 in a hospital in Palatka, Florida. In 1894 Dr. Lasche established the Lasche Institute of Fermentology in Milwaukee, later adding the Lasche School for Distillers. He also founded and edited the *Lasche Magazine for the Practical Distiller*, and wrote many monographs on yeast and its culture. In the years just before prohibition Dr. Lasche was chief chemist for the National Wholesale Liquor Dealers Association. During the World War period he was director of the acetone plants for the Commercial Solvents Corporation, Terre Haute, Ind., and for some years until he joined the Schenley Distillers Corporation in 1930, Dr. Lasche was scientific director of the molasses factories for the U. S. Industrial Alcohol Corporation. He was also a director of the Schenley Research Institute.

Dr. Thomas Stephenson

Dr. Thomas Stephenson, an internationally known chemist, died in November 4 in Edinburgh. He was seventy-four years of age. Dr. Stephenson attended Edinburgh University, and from 1908 to 1922 was the examiner for the Pharmaceutical Society of Great Britain. He had been closely associated with the Rotarian movement in the British Isles since its inception. Since 1908 he edited The Prescriber, a monthly publication, and had been a prolific writer on science, history, literature and Rotary.

William Nelson Taylor

William Nelson Taylor, retired president of the National Lead & Oil Company of Pennsylvania, died November 4. He was seventy-nine years of age.

A native of Washington, Pa., he was educated in public schools of Washington and at Eastman Business College, Poughkeepsie, N. Y. He started his career as an iron commission merchant in 1882, and in 1886 he became vice-president of the Scottdale Iron & Steel Company, and remained in that position until he sold the business in 1901 to the American Sheet Steel Company. In 1904 he was elected president of the Davis Lead Company, Pittsburgh, Pa., and continued in that position until the company was acquired by the National Lead Company in 1907, when he was elected vice-president of the National Lead & Oil Company of Pennsylvania. His son, W. H. Taylor, succeeded him as president of the company at the start of 1932 but Mr. Taylor continued as a member of the directorate. He was elected a member of the directorate of the National Lead Company in 1912, remaining on the board until he resigned in 1935.

Lester T. Wilson

Lester T. Wilson, sales manager of the metal department of the National Lead Company, this city, died in his home in Middletown, N. J. He was forty-seven years of age.

Mr. Wilson joined the National Lead Company as a chemical engineer in 1914, the year of his graduation from the Armour Institute of Technology, Chicago. He served abroad in the artillery division during the World War. Upon his return to this country he became affiliated with the research laboratories of the National Lead Company, and subsequently became general superintendent of the Chicago branch plant. In 1925 he was made general manager of the Metallurgical & Chemical Corporation, Matawan, N. J., an affiliate of the National Lead Company. In 1929 he was transferred to the New York office of the company, and in 1933 he became sales manager for the metal department. His wife survives.

Levis Miller Booth, president of the Booth Chemical Company, Elizabeth, N. J., died unexpectedly from a heart attack November 6. He was sixty years of age. Surviving are his widow, two sons and a daughter.

Collins C. Cabiness, president of the Denver Oxygen Company, Denver, Colo., died November 2. He was fifty-five years of age. His wife and two daughters survive him.

Arthur Kopp, a chemist employed by the Metropolitan Museum of Art, this city, was burned fatally November 7 when an experiment he was carrying on in the basement laboratory of the museum, aimed to end deterioration of its bronzes, ended in an explosion.

Robert Howard Schwartz, a chemist of Trona, Calif., was fatally injured in an automobile accident, twenty miles west of Trona, October 28.

Georges Urbain, co-discoverer in 1907 of lutecium, died November 5 in Paris after a short illness. He was sixty years of age.

Medicinal and toiletry importers and dealers in Roumania has been compiled by the Bureau of Foreign and Domestic Commerce, Washington. The list is available to accredited American firms at the usual cost of 10 cents per copy.

MARTENS BRAND
OLEUM JECORIS ASELLI
THE CREAM OF MEDICINAL
Cod Liver Oil
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A/S JOHAN C. MARTENS & CO.
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Established 1838
PRODUCERS, REFINERS, WORLD MARKETERS
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REPRESENTATIVES
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NEW LOW PRICES
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ATLAS MANNITOL
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ATLAS SORBAN
(Commercial Grade Sorbitol Solution)
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ATLAS
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CHEMICALS ATLAS EXPLOSIVES

Many Manufacturers Depend on Penick as a Reliable Source of Supply for:

Bales of Ma Huang (ephedra), imported from China, for the Penick Alkaloid Plant.

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EPHEDRINE ALKALOID, U. S. P.
— a thoroughly anhydrous product
— relatively free from odor.

EPHEDRINE SULPHATE, U. S. P.
Crystals and Powder.

EPHEDRINE HYDROCHLORIDE, U. S. P.

S. B. Penick and Company maintains a special plant devoted solely to the production of Alkaloids and other products derived entirely from botanical sources. Excellent production facilities are only part of the story of PENICK STANDARDS. A series of control tests, which even exceed rigid U. S. P. requirements, achieve quality of an unusually high level. The absolute purity of Penick Ephedrine, for example, is assured by the use of a highly sensitive polarimeter . . . not merely the ordinary machine, but one where circulating water equipment accurately controls the temperature of the solution under test . . . a polarimeter in which additional improvements permit other highly exact optical determinations.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

A.M.A. Discusses Inventories and Costs

—*Continued from page 5*

tion, the power to analyze and the capacity to apply. By making the employees think that the individual job can be done better and that they are the ones who can do it, a good deal of incentive is provided, he said.

Earl M. Richards, assistant to the vice-president in charge of operations for the Republic Steel Corporation, discussed four fundamental units utilized by his company to lower unit costs. He said that these fundamentals consisted of installing improvement equipments, improving layout, operating some plants at a constant predetermined rate regardless of orders and renewed emphasis on existing control.

W. C. Zinck, assistant general superintendent of North & Judd, which produces more than 45,000 individual items in the metal working field, reported that all employees from foreman down are given bonuses of 50 percent of the first year's savings from any suggestion submitted for cutting costs. Mr. Zinck explained that one method used is to set up a weekly budget for each department which is a fixed percentage of incoming orders for each department's products.

Mr. Zinck outlined another method used by his company which called for the use of index cards covering every set of tools, on which hourly reports are made as to production between repairs, and as to whether the machine is in operation. This, he said, provides a basis for tracing causes of idle machinery. He explained that these and other methods made is possible for the concern to drop 100 to 50 percent of capacity operations without having non-productive labor cost increase more than 15 percent in relation to productive labor cost.

Roy A. Atwood, vice-president of the J. B. Lyon Company, discussed costs in the commercial-printing industry. He said that that industry was faced with unusual cost problems and is heavily unionized. However, he said, that an economic education program which may eventually build a basis for cooperation of management and labor to keep cost down in order to create higher wages and steady work.

Discussion inventory control, H. L. Lewis, of the American Type Founders, listed three essentials for inventory control: First, a master production schedule for each model, issued by management as a production authorization. Second, a set of master sheets for each model, listing the allocation and availability of finished parts against the schedule. Third, a stock record card for each finished part with a corresponding card covering raw material for each part. The record card carries the usually required information on the particular product, and the entries of orders, receipts and issues, as well as the ordering point and the ordering quantity.

On the subject of quality control, George C. Thomas, of the RCA Manufacturing Company, told of a system used by that concern by which responsibility for a given product is placed squarely on the shoulders of the one in charge of the production operation involved.

Drug Manufacturers Sales Increased in September

Manufacturers' sales of pharmaceuticals and proprietary medicines during September increased one percent over September 1937 and 11 percent over August, 1938, according to reports of twenty-three firms to the Bureau of Foreign and Domestic Commerce. Inventories of fourteen reporting firms were valued at $5,113,000 on September 30 as compared with $4,558,000 last September.

Sales of drugs and drug sundries declined 7 percent in September as compared with the corresponding month in 1937. The total September sales was estimated at $18,161,000. The cost value of wholesalers' stocks at the end of September was 10 percent below the level of the same date last year, with the total placed at $35,192,000. Collections during September aggregated 73 percent of the total volume of accounts receivable outstanding at the beginning of the month. This compared with a ratio of 78 percent during last September. Sales by 3,000 independent retail stores in twenty-seven States indicated a decline of slightly more than 3 percent for September, 1938.

Alcohol Tax Change Asked for Flavoring

—*Continued from page 5*

Institute, James P. McGovern; National Association of Boards of Pharmacy, A. C. Taylor; National Association of Retail Druggists, Rowland Jones, jr.; National Manufacturers of Fruit and Flavoring Syrups, John S. Hall; National Manufacturers of Soda Water Flavors, John S. Hall.

Among representatives of flavorings manufacturers present were E. L. Brendlinger, of the Dill Company, Norristown, Pa.; George H. Burnett, of the Joseph Burnett Company, Boston; John N. Curlett, of McCormick & Co., Baltimore; R. A. Mahan, of the United Drug Company, Boston; Fred S. Rogers, of McMonagle & Rogers, Middletown, N. Y.; L. P. Symmes, of the Baker Extract Company, Springfield, Mass.

Chemurgic Radio Forum Series to Start Nov. 13

Representatives of the National Farm Chemurgic Council, the Department of Agriculture, state colleges, industrial firms, and farmers from many sections of the country will participate in a series of a nationwide broadcast over the Columbia Broadcasting System under the title "The Farmer Takes the Mike."

The series of broadcasts, consisting of thirteen programs, starting November 13 at 1:45 to 2 p.m., will be in the nature of a forum where farmers will have an opportunity to question chemurgists and scientists as to what is being done to help find new and industrial uses for American farm crops. The first program, originating in Washington, D. C., will present Wheeler McMillen, president of the chemurgic council, who will briefly outline the purpose of the series, following which a Maryland farmer will question authorities of the Department of Agriculture concerning the new farm-industrial research laboratories.

Eastman Kodak Company, Rochester, directors voted a 1939 wage dividend approximating $2,200,000, to be paid to its employees March 27, 1939.

Consular Invoice Exemptions Stated

OPD Washington Bureau
November 10, 1938

The Bureau of Customs has announced that consular invoices will not be required on a long list of articles which are unconditionally free of duty or subject only to a specific rate of duty not depending on values, and otherwise coming within the provisions of article 299 (b) (11) (a) of the customs regulations of 1937.

Among the articles listed are abaca fiber, aconite root, Spanish anise, annatto and annatto seed, antimony ores, gum arabic, arrowroot, asbestos fiber, shorts and natural, crude barks and herbs, blood and blood meal, camomile, cardamom, carnauba wax, castor beans, cassia buds, chicle, chrome ores and concentrates, copal gum, corundum ore, crude petroleum, dammar gum, crude drugs, dyeing and tanning materials, ergot, eucalyptus leaves, fennelseed, fertilizer and fertilizer materials, flaxseed, fleaseed, fluorspar, gentian root, guayule gum, crude gums and resins, hops, horehound, karaya gum, kamala powder, kaolin, kauri gum, sticklac, manganese ores, mangrove bark, manure salts, mastic gum, yerba mate, crude minerals, crude mineral wax, nitrate of potash, nitrate of soda, oil-bearing nuts, unprocessed ores, perilla gum, pignolia nuts, crude mineral residues, precipitated, sea, or mined salt, salt cake, sesameseed, silver ores, sulphides, and precipitates, tagua nuts, sumac leaves, tin ores, tungsten ores, vegetable waxes.

Huisking Back from Abroad

Charles L. Huisking, president of Charles L. Huisking & Co., drug and chemical merchant, this city, returned November 10 on the steamship Washington, accompanied by Mrs. Huisking. The voyage, Mr. Huisking's fiftieth crossing, completed a three weeks business trip that took him to England and Germany.

Peoples Drug Stores, Inc., October sales amounted to $1,940,445, against $1,904,764 in October last year.

Botanical Drugs, Spices, and Gums

Inquiry and Sales Gain Moderately—Market Sentiment Toward the Future Improves—Prices as a Whole Reveal Firmness —Rhubarb, Senega, Cassia and Pichi Stronger

Business in the market for botanical drugs showed some improvement last week. The gain in inquiries and transactions was attained under the handicap of two holidays and, therefore, was probably the more encouraging. The improvement, however, was moderate at the best.

Outside of the conservative gain in business, the most important feature of the market was the comparative stability of most prices. Open quotations were maintained sturdily and were said to be virtually firm on spot. This condition was in line with the primary market position of most items. Values at the sources of supply were well held in most instances. Very few were unsettled, and many of them were either very firm or distinctly strong.

Market sentiment also showed improvement after the elections on Tuesday. Changes wrought by the electorate appealed to the views of many business leaders and caused them to look forward with added confidence toward the future. Better feeling prevailed unquestionably and contributed its part to the generally firm position of the market.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	1,065	1,533
Belladonna	51	295
Caraway	784	19,148
Cardamom (cases)	49	1,282
Celery	...	2,406
Coriander	2,178	11,026
Cumin	856	3,084
Digitalis leaves (cases)	68	88
Dill	...	653
Fennel	256	929
Henbane leaves (bales)	42	125
Mustard	200	29,231
Poppy	700	47,723
Sage leaves (bales)	49	1,718
Sesame	1,360	12,045
Stramonium (bales)	558	565
Thyme (bales)	9	827

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cassia, Batavia, broken, ½c. per lb.
Cassia buds, ½c. per lb.
Cassia, China, select, broken, ¾c. per lb.
Pichi leaves, 4c. per lb.
Pepper, red, chillies, Mombassa, ¼c. per lb.
Pimento, 1¼c. per lb.
Savory, ½c. per lb.

Reduced

Cardamom, bleached, small, 15c. per lb.
Cumin seed, Algerian, ¾c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
No. 3, ¾c. per lb.
Mustard seed, California, brown, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
white, Java Muntok, ½c. per lb.
red, chillies, Japanese, 2c. per lb.
Strophanthus seed, Kombe, 10c. per lb.
Thyme, 2c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
121.7	121.7	121.6	138.7

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—The market was moderately steady. Buyers bought close to actual requirements and hence volume was conservative. Prices were maintained in the absence of much competition.

Fir.—Since the recent declines in prices, values have become steadier and throughout the past week undertones were on the firm side, and competition was negligible. Stocks seemed to be ample.

Barks

Angostura.—Moderate demand was reported on spot. While buyers bought close to actual needs, their requirements were fairly substantial and the market as a whole received support that kept prices very steady.

Buckthorn.—Quiet demand, but also a steady call was reported and the market was one of substantially maintained firmness in all quarters. Stocks were of ample size.

Cinchona.—Pharmaceutical bark was on the quiet side, most orders being of jobbing description throughout the past week. Undertones were very steady, comparing favorably with the primary market position of the item.

Cottonroot.—The outlook for a satisfactory crop was said to be fairly good, and it seemed likely that all consuming requirements would be covered by collections to come. Prices appeared to be steady.

Orange Peel.—No further easing of prices on sweet peel was reported and based on the difficulty of getting replacements abroad, values were expected to be maintained. Demand was light.

Beans

Calabar.—The market was routine and, to all practical purposes, close to being nominal; almost no demand was current. Quotations held steady to firm and were in line with replacement cost.

Vanilla.—While the market lacked new angles, it continued to be firm throughout the period and demand was reasonably active. Advices from abroad showed no weakness among holders of the subnormal stocks and most of the advices were of a bullish nature. Local dealers declared that it would not require much expansion demand for shipment parcels to put foreign market prices much higher.

Berries

Prickly Ash.—A strong undertone swept the market. Stocks were far under normal and replacement costs were strongly held at comparatively high levels abroad. The tendency here was still upward.

Saw Palmetto.—Small orders were fairly numerous and prices proved to be on the steady side throughout the past week. Plentiful stocks were available, in comparison with the present volume of demand.

Flowers

Borage.—Slightly more inquiry was reported and the market generally seemed to gain a firmer basic position. However, prices lacked quotable change.

Elder.—Replacement advices showed that prices abroad were being well maintained in all directions, and hence the spot market was firm regardless of the conservative trade on consumer account.

Pyrethrum.—The local market had a somewhat easy undertone with more than ordinary competition being the rule when it came to business in powder. Concentrates were in similar position. The trade returns for the first seven months of 1938 disclose a rather sharp drop in pyrethrum exports from Japan as compared with the corresponding months of 1937. The statistics do not include shipments to the military forces in Manchuria and North China, which are alleged to be important.

	Pounds			
	1937		1938	
	U. S.	World.	U. S.	World.
Jan.	891,200	1,012,500	386,500	519,400
Feb.	1,473,200	1,569,600	1,127,500	1,211,800
March	683,100	814,400	688,400	779,500
April	446,800	548,400	141,000	212,500
May	1,022,200	1,214,400	44,700	100,000
June	260,300	347,200	112,000	158,300
July	1,275,400	1,447,200	1,051,800	1,090,700
Totals	6,052,200	6,953,700	3,551,900	4,072,200

Safflower.—Small lots moved more actively, but the pressure of demand was insufficient in force to affect prices prevailing on spot. Values remained very steady.

Saffron.—Not much demand for either Spanish or Mexican material. However, prices were reported to be exceptionally steady and in line with the strength prevailing in the primary market.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Gums

Arabic.—Prices continued on the low side and although slightly more interest has prevailed among consumers of late, on the whole, conditions were insufficient to raise values to a profitable level. Depression must be raised from consuming industries before rehabilitation of sales by importers can be expected.

Benzoin.—Although the movement into consumption was moderate, prices showed substantial strength since stocks were distinctly on the low side and difficulties in getting a proper quality of replacement material were being expected. No competition prevailed here.

Camphor.—Prices on domestic and foreign synthetic camphor receded no further and for the most part they appeared to have become steadier during the past week. A fair supporting demand was reported. Natural camphor from Japan was about steady but there were signs of a gain in competition.

Myrrh.—Steady rejection of arrivals continued and left the spot market far understocked with prompt delivery merchandise. Values lacked further change last week but they were also close to being nominal.

Herbs and Leaves

Belladonna.—Reports indicated that the price views of foreign suppliers were distinctly firm and in local circles values were well maintained even though demand was not very active.

Digitalis.—Not much demand eased prices recently but a firmer undertone appeared to prevail last week and values were fully held under the influence of some gain in demand from consumers.

Pichi.—Tops were very scarce. In fact, to say that the market was cleaned of supplies would come not far of fact. A nominal price of 14c. was noted. Replacement was said to be possible only at some distant date.

Savory.—Movement improved to some extent and the market was maintained on the basis of a fractional advance to the basis of 7½c. to 8c. per pound. A not overly substantial stock was in very firm hands.

Thyme.—Special offerings of new crop goods were made and the market dropped to the basis of 12c. to 12½c. per pound under the pressure of a fairly aggressive sales campaign of leading suppliers.

Miscellaneous

Colocynth Pulp.—Business was on a hand-to-mouth basis most of last week and the market was very quiet. Prices appeared to be on the steady side, however, in keeping with the lack of weakness in the replacement position of the item.

Ergot.—Pressure likely to advance the market here was lacking, but it was declared that values were fully firm and competition was negligible in all directions. Values in foreign markets were very firm.

Kamala.—Less competition was reported on spot. Sellers declared that values were holding very well and a reasonably active consuming market was current locally. Stocks were of fair size.

Papain.—Reports indicated that replacement costs have risen at the source and hence the local market was at least potentially firmer with some upward tendency being noted. Demand was up to the moderate volume of recent date.

St. John's Bread.—Although unconfirmed, reports to the effect that a price control scheme with governmental backing in Italy was under consideration in the primary market. Locally, a quiet market held without quotable change.

Roots

Golden Seal.—Although talk of prices being changed was heard, it appeared that values were merely on the firm side and lacking in any signs forecasting any shift favorable to the manufacturing consumers.

Ipecac.—Prices in all markets were on the firm side, and the situation was definitely opposed to successful bidding for prompt delivery supplies. Actual re-

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Many of the crude drugs in common use today were commercially introduced to America by the House of Hopkins. Such familiar botanicals as Papain, Henna and Red Squill are only a few of these important "firsts." More vital even than this has been our 48-year record of being first to introduce such handling, testing and storing practices and equipment as maintain maximum active strength in all drugs and specialties bearing our label. Our pioneering, from the start, in maintaining an Analytical Department has made selling-by-assay an accepted fact since then. Over and above all this, you will find it an "Important First" to contact us for any of your crude drug requirements as a means of enjoying every possible advantage in quality, price, delivery and dependability.

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GUM ARABIC
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PHILADELPHIA REP.
R. FELTZ & CO.
112 SO. 16TH ST.
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-3750

quirements coming to the spot market was conservative in size.

Mandrake.—Prices have firmed up and little tendency toward pressure on spot values was noted last week. However, not a great deal of spot demand was current in the week shortened by two holidays.

Rhubarb.—It appeared that not a great deal of confidence in recent primary market advances in shipment prices prevailed locally. However, spot quotations were maintained at levels covering the rise, and dealers awaited a broadening of consumer demand.

Senega.—The market was fully firm in all quarters. In the primary market what was said to be a not large crop has been concentrated in strong hands. On spot, dealers were not carrying an over abundance of lower cost goods. Recent advances were maintained

Seeds

Anise.—The market on star seed remained strong at 15c. to 16c. per pound because of the uncertainty surrounding future shipments from the primary market. Spanish seed was firm but lacking in new developments.

Cardamom.—Shipment prices on small seed were much lower, and hence spot holders were disposed to reduce inventories. To encourage more buying, quotations were down to $1 per pound. The range, according to size and quality, was to $1.50.

Cumin.—Algerian seed was down substantially to the basis of 8¾c. to 9¼c. per pound, following a parallel development in the shipment cost of the article. The local market was rather narrow.

Mustard.—While European seed appeared to be on the firm side, the fact that an ample production of yellow seed in Montana would seek a market was sufficient to keep local quotations mainly favorable for buyers. California brown seed was slightly lower at 6½c. to 7c. per pound.

Strophanthus.—Plentiful offerings on the basis of $1.10 to $1.15 per pound were noted, the price being lower and selling pressure being substantial in a market notable mainly for conservative consuming request.

Spices

Cassia.—Broken Batavia cassia continued to rise, prices reaching the basis of 10c. to 10½c. per pound last week. Buds were higher at 16½c. to 17c. Extra select China material also rose to 11c. to 11½c. per pound. The entire situation was based on the uncertainty of future shipments from China.

Cinnamon.—Values eased slightly under competition, the market becoming 15c. to 15½c. per pound on No. 2 Ceylon and 14½c. to 15c. on the No. 3 grade. Demand was rather narrow on the whole.

Paprika.—Strong undertones continued to prevail, based on lack of normal stocks and the absence of shipment offerings from the source, particularly from Spain. Fair demand was noted.

Pepper.—Lampong black was shaded to 5c. to 5½c. per pound; white Java Muntok was off a fraction to 7½c. to 8c.; red Japanese chillies were down sharply to 20c. to 20½c., and from a nominal position at 2c. Mombassa chillies returned to trading on the basis of 22¼c. to 22¾c.

Trading in black pepper futures on the New York Produce Exchange from November 4 to November 10, inclusive, comprised 136 contracts, a total of 4,569,600 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	5.00	4.85	4.94@4.98
March	5.12	4.95	5.04@5.05
May	5.20	5.04	5.14@5.15
July	5.30	5.11	5.25 Sale
September	5.40	5.25	5.35@5.38
October	5.38	5.38	5.37@5.40

Pimento.—Sharp reversal of price trend made this market higher at 14c. to 14½c. per pound, with offerings coming mainly from firm holders, who reported a gain in strength in the primary market.

Paramet Names Kansas Agent

Paramet Chemical Corporation has appointed the John T. Kennedy Sales Company, Southwest boulevard and Twenty-sixth street, Kansas City, Mo., as its sales representative for the territory comprising the State of Kansas and Western half of Missouri. The Paramet corporation will keep a warehouse stock in Kansas City.

Henry B. Gilpin Company, wholesale druggist, Baltimore, has reduced its outstanding capital stock of $100 par value from 3,319 to 2,732 shares.

Paratoluylenediamine Banned as Eyelash Dye

OPD Washington Bureau
November 8, 1938

In a notice to manufacturers of eyebrow and eyelash dyes today the Food and Drug Administration warned against the use of paraphenylenediamine and paratoluylenediamine even when the dyes are accompanied by preparations to prevent the dye from reaching the eyes.

The notice stated:—

The toxic effect of paraphenylenediamine is well known. A number of persons have suffered severe injury, and in some cases blindness has resulted from the application of this dye to the eyelashes and eyebrows. There is no doubt that preparations containing this dye are in violation of the food, drug, and cosmetic act, and accordingly legal action under the law has been instituted against them.

Inquiries have been received as to the propriety of substituting paratoluylenediamine for paraphenylenediamine in these preparations. The Food and Drug Administration has obtained very definite evidence of injury from this dye. Based upon a serious consideration of the injurious effects of paratoluylenediamine, eyelash and eyebrow dyes containing paratoluylenediamine in any amount will be considered adulterated under section 601 (a) of the act, and appropriate action taken.

It has also been noted that substances such as oils, argyrol, magnesium carbonate, paper shields, etc., are customarily included in packages of eyelash and eyebrow dye preparations to be used to prevent the introduction of the dye into the eyes. It is the opinion of the administration that the use of these precautionary measures cannot guarantee protection of the eyes against such dangerous products as paraphenylenediamine and paratoluylenediamine.

The notice should not be interpreted as indicating that other dyes used for eyelash and eyebrow dyeing are to be accepted as meeting the requirements of section 601 (a) of the food, drug, and cosmetic act.

Dinkins Sees Upward Sweep in Trade Trend

A decided upward sweep in trade was predicted by Philip M. Dinkins, chairman of the Drug, Chemical and Allied Trades Section of the New York Board of Trade at an executive committee meeting held at the Drug & Chemical Club, November 10. He also expected that the drug and cosmetic industries would put a sizeable dent in unemployment ranks this coming year.

Mr. Dinkins, who is vice-president of the American Cyanamid and Chemical Corporation, stressed his belief in the present-day institutions of this country, pointing out that the 1939 advertising budget of approximately $114,000,000, which is planned by the drug and cosmetic trades, is a good indication of the path to be pursued by these industries in restoring job opportunities and increasing the purchasing power and living standards of the public.

He said that as a manifestation of the faith placed in the upward trend of business, more than two-thirds of our firms plan to swell their advertising expenditures over the sum reached for 1938. He added that this total represents the efforts of the industries to foster aggressively marked improvement in the nation's economic structure. According to a recent survey made by the Drug, Chemical and Allied Trades Section, the sum allotted for advertising by the industries for 1938 amounted to about $100,000,000, the speaker reminded.

Mr. Dinkins further declared that in preparation for the promotion of new products and in the improving of old ones an amount surpassing $33,000,000 was spent on drug, chemical and cosmetic research this year.

He described research and advertising as the arteries and veins through which flows the life blood of business. He observed that advertising climaxes careful product research, and together they develop new sales which make it possible to create new jobs, which will take people off the relief rolls. He concluded by saying that together they form a sound basis for building up a healthy economic organism and multiplying the cells of nationwide betterment.

E. R. Squibb & Sons, pharmaceutical manufacturer, Brooklyn, has leased 15,000 square feet of space for its Philadelphia branch in 2116-30 Arch street. The Philadelphia branch is now located at 300 North Delaware avenue.

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Merceron

Mesitylene

Catalysts for Oxidation of Ketones to Produce Mesitylene

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Ammonium metavanate
Calcium oxide
Ceric chromate
Ceric vanadate
Ceric-iron chromate
Chromium oxide
Chromium vanadate
Cobalt chromate
Cobalt molybdate
Ferric chloride
Ferric chromate
Ferric vanado-chromate
Hydrochloric acid
Iron chromate
Iron molybdate
Iron molybdo-chromate
Iron oxide
Iron-vanado-chromate
Nickel chromate
Nickel molybdate
Nickel vanadate
Nitric acid
Palladium oxide
Potassium hydroxide
Sodium ethoxide
Sodium hydroxide (dilute)
Sulphuric acid
Vanadium oxide
Vanadium pentoxide

Metal Protection

Accelerators of Rust Formation

Acid salts in solution
Acids
Air (moist)
Ammonium salt solutions
Aqua ammonia
Calcium salt solutions
Carbon dioxide
Conditions arising from imperfectly made metals
Foreign matter as scale
Inequalities in surface
Magnesium salt solutions
Moisture
Neutral salts in solution
Ozone
Roughness of surface
Rust (itself)
Sodium chloride solutions
Stray electric currents
Sulphurous acid
Water

Cleansing and Polishing Agents for Metals

Abrasives
Acetylene tetrachloride
Aloxite
Alumina
Alundum
Ammonium chloride
Ammonium sulphate
Barium aluminate
Bauxite
Bentonite
Borolon
Calcium pyrophosphate
Carbofrax
Carborundum
Chalk
Chromitron
Clay
Diatomaceous earth
Emery
Ferric oxide
Fossilite
Fuller's earth
Graphite
Hematite
Kaolin
Kieselguhr
Lampblack
Magnesium carbonate
Orthodichlorobenzene
Oxalic acid
Paraffin oil
Petrolatum
Phosphoric acid
Potassium binoxalate
Pumice
Sand
Silica
Sulphuric acid
Super alkalies
Sodium hydroxide

Degreasing Agents for Metals

Acetone
Acetylene tetrachloride
Alcohol
Amyl alcohol
Alkali carbonates
Alkali hydroxides
Alkali hypochlorides
Alkali metaphosphates
Alkali metasilicates
Alkali phosphates
Alkali silicates
Aluminum sulphate
Ammonium carbonate
Ammonium chloride
Ammonium phosphate
Ammonium salt of pine oil
Ammonium salts of palmitic compounds
Ammonium silicate
Aqua ammonia
Aromatic hydrocarbons
Barium phosphate
Benzene
Benzin
Borax
Butyl alcohol
Butyl ricinoleate
Butyl cellosolve
Calcium phosphate
Carbon bisulphide
Carbon tetrachloride
Castor oil, sulphonated
Cecolene-1:2
Chloroform
Chlorohydrocarbons
Cresol soap solutions
Cyclohexane
Diacetone alcohol
Dichloroethyl ether
Dichloroethylene
Dichloromethane
Diethylene oxide
Dioxan
Electrolytic treatment
Ether
Ethyl acetate
Ethyl alcohol
Ethyl chloride
Ethylene chloride
Ethylene dichloride
Ethylene trichloride
2-Furancarbinol
Glycol diacetate
Glycopon
Heptane
Hexalin
Hexane
High molecular alcohols
Iron anode
Isoamylnaphthalenesulphonates
Isopropyl alcohol
Isopropyl chloride
Light petroleum distillates
Magnesium phosphate
Methanol
Metaphosphoric acid
Methyl acetate
Orthodichlorobenzene
Pentachloroethylene
Pentanes
Perchloroethylene
Petroleum ether
Pine oil, sulphonated
Phosphoric acid
Potassium binoxalate
Potassium carbonate
Potassium hydroxide
Potassium salt of palmitic acid
Potassium salt of pine oil
Pyrophosphoric acid
Ridoline
Siliron
Soaps
Sodium bisulphate
Sodium borate
Sodium carbonate
Sodium hypochlorite
Sodium metaphosphate
Sodium metasilicate
Sodium phenolate
Sodium phosphates
Sodium propylnaphthalenesulphonate
Sodium salt of palmitic compounds
Sodium salt of pine oil
Sodium sulphate
Sodium silicate
Solvent 160
Sulphonated oils
Sulphonated palmitic compounds
Super alkalies
Tetralin
Tetrachloroethane
Tetrachloroethylene
Tetrachloromethane
Tetrahydronaphthalene
Triamylamine
Trichloroethylene
Triethanolamine
Trihydroxyethylamine
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Toluene
Turpentine

Pickling Bath Inhibitors for Metals

Acacia plus a nitrogenous cyclic compound
Acacia plus quinolin
Acacia plus tar oil containing an organic base
Acitrol
Acridin
A.C.P. rodine
Aliphatic amine plus mercaptobenzothiazole
Aliphatic amines
Aldehydes
Alkanol SA
Alkyl isothiocyanate
Alkyl mustard oil
Allyl isothiocyanate
Allyl mustard oil
Ammonium citrate
Aryl isothiocyanate
Aryl mustard oil
Aluminum sulphate
Anilin
Antimony organic compounds
Aromatic amines
Arsenical organic compounds
Benzyl sulphoxide
Carpenter's glue
Caustic alkali plus mercaptobenzothiazole
Cinchona bark alkaloid with thiuram sulphide
Cinchona bark alkaloid with aldehyde amine
Colloids plus nitrogenous cyclic compounds
Colloids plus quinolin
Colloids plus tar oil containing an organic base
Condensation product of acetaldehydeanilin and quinoidin
Diamyl ketones
Dibenzylformaldehydemercaptal
Diethyl ketones
Dimethyl ketones
2:4-Dinitrophenyl-5-chloromercaptobenzothiazole
2:4-Dinitrophenylmercaptobenzothiazole
2:4-Dinitrophenyl-4-nitro-5-chloromercaptobenzothiazole

(To be continued)

Essential Oils, Aromatic Chemicals

Cables on Some Java Oils Show Moderate Advances—China Oils Remain Very Firm, Though Offerings Gain Slightly —Scarcity of Tansy Brings Further Rise

Improvement of conditions in the market for essential oils and aromatic chemicals was reported last week. The change in market sentiment was psychological in most respects and appeared to stem from the results of congressional and state elections on November 8. The trend of election results seemed to find favor among many business leaders and at the close of the week there was a disposition to face the future with added and improved confidence. This change in the psychological approach of business men to the market has yet to be translated into actual improvement in the movement and price of merchandise.

Synthetic aromatics came in for some readjustment of prices, mainly in favor of buyers for consumption. Notable in this situation were the lower quotations on benzylidineacetone, high quality bromstyrol, citronellol, duodecyl alcohol, and imported phenylethyl alcohol. Anethol and anisic aldehyde reflected the strength caused by the situation pertaining to raw material supply and cost.

High quality cardamom oil was down substantially, but the ordinary commercial grade lacked change. Celery tended easier but lacked change. Mexican distilled lime was shaded, but the West Indian distilled and expressed materials held very steady. Notwithstanding advances in the replacement cost of Java patchouli and vetiver oils, the local market appeared to favor buyers of spot material. In fact, the Java vestiver on spot was shaded slightly in price.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Tansy, 25c. per lb.

Reduced

Benzylidenacetone, 20c. per lb.
Bromstyrol, high quality, 75c. per lb.
Cardamom, high quality, $6 per lb.
Citronellol, 10c. per lb.
Duodecyl alcohol, $3 per lb.
Lime, distilled, Mexican, 5c. per lb.
Phenylethyl alcohol, imported, 90c. per lb.
Vetiver, Java, 15c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.4	69.4	69.1	78.1

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Inquiries were routine and the market as a whole was a quiet but usually steady affair throughout the past week. Stocks seemed to be ample when compared with the present undertakings of manufacturing consumers.

Amber.—Stability appeared to govern prices and the market as a whole was firm notwithstanding the fact that it was also quiet so far as sales into consumption were concerned.

Anise.—A few offerings have been received from the primary market, but prices were fully firm at the source and quantities available were not unduly large. Local quotations held at 70c. to 75c. per pound with sellers continuing to show reserve.

Bergamot.—Not much demand was current, most of it being along jobbing lines. Prices continued to be very steady on spot, reflecting a similar situation in the primary market. Stocks were ample here.

Birch Tar.—The moderate quantities available for replacement buying were held at firm prices and hence the spot market was also firm irrespective of the not especially active demand for prompt delivery merchandise.

Camphor.—No offerings for shipment were received and the item could be scarcely any stronger than it is at present. Spot quotations were virtually nominal as quotations were made without offer; sellers were distinctly reserved and held very little unsold oil.

Cananga.—A slight gain in inquiry was reported occasionally last week, but on the whole the interest of manufacturing consumers was limited to jobbing quantities, and hence the total volume of sales was moderate. Quotations appeared to be in fairly stable position.

Capsicum (Oleoresin). — Movement into consuming channels was about level with the volume current for some time past. In general, the market was on a firm basis, reflecting the comparatively high cost of raw material and total absence of potential weakness in the cost of production.

Cardamom. — Top quality merchandise was sharply lower at $27 per pound, but the usual commercial article held unchanged at $15 per pound. Interest was confined to comparatively small quantities needed to meet the immediate needs of a not large number of buyers.

Cassia. — The situation remained in statu quo. Normal shipments from the primary market were blocked by the political, economic, and military afflictions of the Chinese exporters. Local dealers held small stocks, were reserved in their offerings, and were strong in their views on prices.

Celery. — More competition was reported in this market, and while open quotations were not changed, they seemed to be easier and generally more favorable for buyers with firm orders in hand. The price range remained wide because of variations in quality.

Citronella. — Replacement cost on Ceylon oil was still too high in comparison with the price at which Java oil could be bought. Hence, little business went to the Far East last week. The fact that spot stocks in the hands of dealers and consumers were plentiful tended also to keep trading within conservative limits.

Clove.—Producers were very firm in their price views, but indicated that the current volume of demand gave but moderate support to prevailing quotations. The cost of spice, however, remained firm, and that naturally tended to keep the undertone of oil generally firm.

Cubeb.—General price stability prevailed. Since raw material has held a steady position, oil has tended to reflect that situation. A fair but usually good jobbing request prevailed in all spot quarters.

Erigeron.—The output this year was negligible and should demand gain substantially—no signs of such a development can be found now—values would unquestionably rise, probably sharply since reserves are so small.

Eucalyptus.—Undertones were steady and, although demand was still conservative, signs of growing needs were sufficiently plain to keep undertones tending on the firm side for the time being at least. The season when demand usually expands is at hand, and at least more inquiry was noted last week.

Geranium.—Jobbing business was reported in moderate volume, but quantity transactions were in the minority and hence, business done did nothing in the way of strengthening the local price situation. Stocks were reported to be of ample size, while values were considered to be favorable.

Ginger. — Quotations held free from change and seemed, if anything, to be slightly more steady than they had been at any time in the not far distant past. However, demand was routine and lacking in expansion and added little to the general position of the item.

Hemlock.—More competition was reported and some sellers revised their quotations downward without yet meeting the minimum of spot prices. Demand was usually on a hand-to-mouth basis that covered usually the prompt requirements of a not large number of buyers.

Juniper.—Fair inquiry was noted and the market had a steady quality that was revealed mainly by prices being well maintained in a market where competition was not very active. Replacement costs were very steady.

Lavender.—Prices on spot were considered to be favorable notwithstanding the fact that some reports have indicated a substantial new production of the article in France. Business was of a steady sort that tended to keep local quotations well stabilized throughout the period under review.

Lemon.—Definite news on the prospect for new crop oil was lacking from Italy but from all appearances the market was holding on the firm side since numerous of the European markets reported very small stocks, thus providing a market for the Italian article. Domestic oil on spot was on the firm side with a fair movement supporting the market.

Lime.—Mexican oil was lower at $3.50 to $3.55 per pound for the distilled product. Other varieties lacked quotable change. Expressed material from the West Indies was very steady and had a movement that compared favorably with the call recently reaching the market.

Orange.—Competition was the leading factor in this market and for that reason prices were subject to a tendency toward shading on the part of the outstanding suppliers to the consuming trade. Domestic oil was at an exceptionally favorable and severely competitive price position as compared with

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

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the situation in imported merchandise. Demand was not very active.

Peppermint.—The situation changed not at all. Sellers quoted prices comparatively low but they were firmly held irrespective of the absence of more than moderate interest on the part of buyers in general. The general feeling was that improvement in prices must await on the development of a considerably broader consuming request.

Pimento.—Leaf oil seemed to be slightly easier and some sellers showed a disposition to shade when firm business was in sight. Berry oil remained very steady. Actual demand was conservative at the very best.

Sage.—Interest expanded within moderate limits and buyers found the market to be distinctly firm in the absence of conditions forecasting replacement buying at lower primary market prices. Local quotations were well held and were backed by moderate reserves.

Tansy.—Extremely small stocks were the rule notwithstanding they should be at their largest at the present time. Distillation was very small this year and the quality of oil was none too satisfactory. Prices were higher at $6.25 to $6.50 per pound, done last week.

Vetiver.—Spot quotations were slightly lower at $3.50 to $16.50 per pound, range covering sellers' views based on the quality and variety of oil offered. However, agents of shippers from Java reported receipt of higher cables last week.

Aromatic Chemicals

Alcohols, Higher.—The sole change came in duodecyl alcohol and that article was down substantially to the basis of $10 per pound. Others in this group remained very steady under a demand about normal.

Amylphenyl Acetate.—Demand was ordinary in type, being for limited quantities covering prompt requirements of a moderate number of manufacturing consumers. Prices were reported to be generally on a steady basis.

Anethol.—The market was firm but developments were lacking beyond that point. A few offerings of raw material were received from the primary market but the future of replacement goods was still uncertain and tied tightly with the commercial developments to follow the fall of Canton, China, to the Japanese.

Benzylidenacetone.—Quotations were lower at a minimum of $2 per pound and competition was reported to be more aggressive than for some time past. Also, opportunities for selling were confined to a jobbing sort of demand.

Bromstyrol.—The highest quality of this article was cheaper at $3.75 per pound. A slightly less refined grade continued to be offered at $3.25 per pound. The market was generally quiet in all quarters.

Citronellol.—Quotations were a shade lower on the basis of $1.60 per pound inside for prompt deliveries of good quality merchandise. A somewhat narrow consuming market seemed to have accentuated competition as a market factor.

Diphenyl Methane.—Business was irregular from day to day and for the most part was along conservative lines that accounted for the very moderately sized total volume of sales of record at the close of the past week. Quotations remained very steady.

Ethyl Cinnamate.—Undertones were reported to be easier and some sellers showed a disposition to reduce asking quotations. However, the basic quotations prevailing for some time past remained in effect, shading occurring usually on the prices quoted on small lot business.

Eucalyptol.—A quiet trade was reported. Buyers bought close to actual needs and only a fair amount of such buying was noted last week. Quotations were reported to be fairly steady most of the time. At least, no open reduction in quotations was made.

Geranyl Formate.—This article was offered at $4 per pound in fair sized quantities and found fair acceptance on the part of a moderate number of manufacturing consumers. Supplies were reported to be of ample size.

Heliotropine.—While business was not large, it was steady for small lots and most sellers declared that the market was generally steady at prices fully maintained.

Linalool.—Inquiry improved and some sellers said business was better. Quotations gained in firmness of undertone but they lacked definite change at the close of the past week.

Linalyl Acetate.—Business was somewhat slow. Buyers' requirements were of moderate size and were covered without affecting the general market position of this commodity. Undertones and prices were generally very steady.

Methyl Salicylate.—The recent reduction in price established a price basis which the leading producers believe will become stable for some time to come. Everything turns on developments in the raw material market where competition has gained substantially.

Phenylethyl Alcohol.—The imported article was down to $3.35 per pound as the result of more competition on the basis of a more favorable replacement cost to some importers. Domestic goods remained very steady. Demand was moderate.

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N.A.I.D.M. to Meet Here December 5-6

The National Association of Insecticide and Disinfectant Manufacturers will hold its twenty-fifth annual meeting in the Hotel Biltmore, this city, December 5 and 6.

In addition to numerous reports covering revisions of Peet-Grady test, specifications, standardization, and legislative matters, there will be addresses on the use of insecticides and disinfectants in various large consuming industries, a discussion of sanitation products and problems in building maintenance, an address on product liability and its application in the insecticide and disinfectant fields, and a discussion of fair trade legislation in relation to market.

Preceding the association general meeting there will be a meeting of the board of governors on Sunday evening. Group luncheons will be held both days in connection with the meeting sessions. The annual informal banquet will be in the form of a beefsteak dinner Tuesday evening, with a floor show.

Before the dinner a cocktail party will be staged by the associate members of the association. Chairman of the general entertainment committee is L. J. LaCava, of the Continental Can Company, assisted by Jos. B. Magnus, of Magnus, Mabee & Reynard, this city, and Charles Opitz, of John Opitz, Inc.

Walgreen Company, Chicago, October sales amounted to $5,921,473, against $5,873,151 in the corresponding month a year ago.

Methanol Market Seen In Eire by Doran

OPD Washington Bureau
November 10, 1938

A market for denaturing grade methanol might be developed by American producers in Eire, in the opinion of James M. Doran, former United States Commissioner of Industrial Alcohol, who recently returned from a European trip.

Mr. Doran found that methanol is the most widely used denaturant in the British Isles, and that the supply used in Eire is obtained from Germany at prices generally higher than those prevailing in the United States.

He also reported that Eire is experimenting with the use of alcohol for motor fuel on a large scale. On July 1 the commissioner of industry and commerce decreed that commercial trucking firms in the Dublin areas must use a gasoline blend containing 20 percent of alcohol. The alcohol is supplied from seven government-owned distilleries, each with a capacity of 1,000 gallons of alcohol a day, using surplus potatoes as the raw material. The program was initiated in 1935 as an effort to develop a market for surplus potatoes in the country.

Mr. Doran, who until recently was director of the Distilled Spirits Institute, has opened an office in the Albee building here as a technical consultant for the distilled spirits, industrial alcohol, wine and beverage industries, serving the institute and other clients.

Portland Paint Club Committees Appointed

Portland, Ore., Nov. 9, 1938

The Portland Paint, Varnish and Lacquer Association committees to serve during the forthcoming year have been appointed by Herbert B. Miller, of the Miller Paint & Wall Paper Company, president of the association, at the organization meeting held October 28. The chairmen of the various committees are as follows:—

Executive, George J. Nannetti, of the West Coast Kalsomine Company; legislative, D. A. Aronson, of the Sherwin-Williams Company; finance, H. M. Shaw, of W. P. Fuller & Co.; membership, Frank Cresmer, of the Sherwin-Williams Company; transportation and city ordinance, Roy E. Wildman, of the W. P. Fuller & Co.; entertainment, Mr. Nannetti; paint up and save the surface, Harold H. Sheldon, of the Pittsburgh Plate Glass Co.; painter relations, Mr. Wildman; credit, Mr. Rasmussen; golf, Mr. Rasmussen, and paint industry, Chester B. Van Houten, of W. P. Fuller & Co., chairman; Mr. Russell, Mr. Aronson, Mr. Thorsen, Harry R. Dinger, Paraffine Companies, Inc.; Fred Carlston, Glidden Co., Mr. Collins, Mr. Gray, Mr. Sheldon and Mr. Rasmussen.

F.T.C. Price Charges Filed Against Sauer Co.

Charges of price discrimination in the sale of extracts, spices, salad dressing and drugs, in violation of the Robinson-Patman act, have been entered by the Federal Trade Commission against the C. F. Sauer Company, Richmond, Va., which operates plants both in Richmond and in Greenville, S. C. Discrimination, it is alleged, is made between purchasers of commodities of like grade and quality, some of such purchasers being permitted to pay a lower price than others who are their competitors generally.

It is alleged, Dixie-Home Stores pays $2.70 per dozen quarts of Sauer's salad dressing, selling such products at retail for $3 a dozen, while the Thomas & Howard Company, a wholesale grocery chain, and Rose-Phillips Company, Greenwood, S. C., a wholesaler, both operating in much the same territory as Dixie-Home Stores, pay $3.80 per dozen quarts less 10 percent and 5 percent discount, or a net price of $3.25, which is more than Dixie-Home Stores sell the product at retail.

Discrimination also is alleged to be made through payments and contracts for payment in the form of credit memoranda to certain of the respondent company's customers as compensation for advertising services furnished through such customers in the sale of Sauer products, which payment or consideration is not available on proportionally equal terms to all other customers competing in the distribution of such products.

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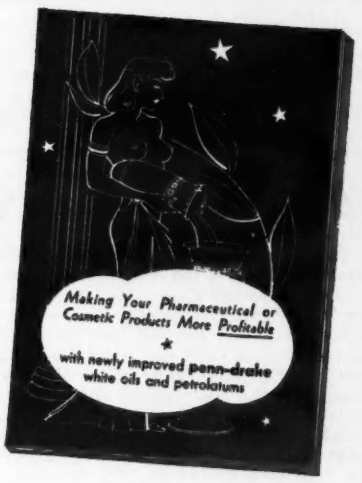
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Petroleum Solvents, Lubricants, Fuels

Weather Conditions Delay Season Consumption of Fuel Oils and Stocks Mount—Solvents Prices Steady—Crude Oil Production Increases Sharply

Weather conditions continued as the prime influence in the petroleum fuels market. Warm weather has extended the motoring season and the two holidays last week was a help to consumption but the same low temperatures have delayed the seasonal increase in the consumption of fuel and heating oils and the stocks of residual fuels continued to mount. While heavy oil prices leaned toward the soft side because of the large surplus, observers of the Midcontinent gasoline market believed that motor fuel prices were leveling off.

The election day and Armistice day holidays had their effect upon the industrial demands for petroleum products used in the processing industries. Solvents for the paint manufacturing trade were not moving so well as they were in October albeit there has been an improving interest from some of the makers of industrial finishes, particularly for the automobile trade. Rubber solvents continued in the van of the solvents market and there was a steady flow in material going into Akron and other rubber centers. There have been no further changes in solvents prices since the reductions in the New York and New Jersey markets two weeks ago.

Daily average production of crude oil in United States for the week ended November 5 was 3,628,550 barrels, an increase of 391,000 barrels over the preceding week, according to the estimates of the American Petroleum Institute. The average for four weeks ended November 5 was 3,346,300 barrels and the average at this time a year ago was 3,533,150 barrels. Runs of crude oil to stills were reported to the A. P. I. by companies controlling 85.6 percent of the nation's refinery capacity as having averaged 2,827,000 barrels for 78.4 percent of refinery operation. An additional 333,000 barrels were estimated to have been sent to stills unreported for a total estimated average of 3,160,000 barrels against the preceding week's estimated average of 3,145,000 barrels. The October 1937 average was 3,388,000 barrels.

Solvents and Diluents

The market for petroleum solvents and naphtha cuts did not attract much buying support last week. Perhaps the intervention of the two holidays was the principal reason for the moderated demands from the several lines of consuming industry. The rubber products manufacturers continued to take in sizable quantities of rubber solvents, but other materials were not moving as well as they were at this time a month ago. Prices continued in an unchanged position, the latest movement having been the reductions in New York and New Jersey two weeks ago.

Aromatic Naphthas.—Producers of these materials have not altered the price structure for several months. Latest reports on the state of trade failed to reveal any briskness in the market.

Petroleum Thinners.—Conditions surrounding the market were not materially different from a week ago. There have been no price movements in the market since the reductions in New York and New Jersey two weeks ago. The Midcontinent market was unchanged in price, and the movement out of the refinery points was described as fair.

Rubber Solvents.—The tire producers continued to order in sizable quantities of the light and heavy grades of solvent. As in October, the movement of these products so far this month was ahead of that for other solvents. Prices at the Midcontinent continued in a steady and unchanged position.

Stoddard Solvent.—The recent reductions in the Eastern market for petroleum thinners and v. m. & p. naphthas have not influenced the prices for this solvent. The demands have been fair for this time of the season, but showed signs of slackening off during the past two weeks.

V. M. & P. Naphthas.—The refiners here could not point to much activity in the market. With two holidays during the week, some slowness had been expected. Pricewise the market was in a firm position at the recently reduced levels in the East.

Markets at Other Centers

Chicago, Nov. 10.—Various grades of petroleum diluents and solvents have been quiet and fairly steady marketwise in the last few days. Some reports of price cutting have been received, however. Volume of business originating in the paint and allied lines is reported to be holding up quite well. Individual orders are being held down in respective quantities. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c.; tankcar; 15.9c., tankwagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Lighter Fractions

Routine movements of supplies through channels of consumption was the way the market for butanes, hexanes and other light hydrocarbon gases was characterized last week. Pricewise, the market seemed steady and was unchanged. The recent shift in the position of the natural gasoline has not affected the position of these materials.

Butanes.—The long standing price level of 3¾c per gallon for tankcar quantities of the 16-34 degree product at Group 3, was still in force last week and the demand side of the market was described as routine.

Hexanes.—Producers in the Group 3 districts have not advised of any change in the price structure which has been based at 10½c per gallon for tankcar lots of the normal grade and 14c per gallon for drumcars of the laboratory grade, both f. o. b. Group 3.

Octanes.—This mixture shared in the general steadiness of the market for liquefied petroleum gases. The asked price for tankcar lots remained at 10½c per gallon, f. o. b. Group 3.

Petrolatums and Waxes

White Mineral Oils.—The price situation continued as it has been for some time. Occasional reports of concessionary offerings have been reported but in general the prices were being maintained. Demands have been broadening slightly.

Paraffin Waxes.—The tone of the market for scale wax was a little stronger last week on a better export inquiry but there were no open changes in price and the sellers quoted 2.30c per pound for either 122-124 or 124-126 American melting point. The fully refined waxes were moving in routine fashion and the prices seemed to occupy a steady position at the low levels that have been in force since last July.

CHICAGO, Nov. 10.—The refined wax market is slow but for the most part seems to be holding its own without too great difficulty. Business is reaching suppliers in fair volume, it is reported. Orders have been along conservative lines, but in the aggregate the volume is said to be fair. Ruling prices are:—122-124, 4c. to 4.05c. per pound; 125-127, 4.1c. to 4.15c.; 127-129, 4.45c. to 4.5c.; 130-132, bulk or bag, 4.75c. to 4.8c.; 132-134, bulk or bag, 5c. to 5.05c.

Petrolatum.—The situation was just as it had been for the past several weeks. There has been some competitive selling of car lot business on the white grades but the prices for the l.c.l. trade have been holding very firmly. Demands have been fairly good.

Fuels and Lubricants

The Eastern refined oil market continued in a soft position. The bulk gasoline market here was subject to shading and despite the two holidays last week there was only a fair amount of bulk purchasing. The fuel oils were soft and the consumption was light. Pennsylvania bright stocks were still offered at concessions from the "quoted" market.

Tankwagon Price Changes

CHICAGO.—Leading marketers, November 7, reduced dealer tankwagon prices of regular and premium grade gasolines in metropolitan Chicago ½c. to new prices of 12.1c. and 13.6c. On November 5 leading marketers reduced third-grade dealer tankwagon 0.9c. to 14c. at Green Bay, Wis. On November 5 leading marketers reduced third-grade dealer tankwagon 0.6c. and regular grade dealer tankwagon ½c. at 12.5c. and 13.1c. respectively at Peoria, Ill.

KENTUCKY.—Tankcar gasoline prices were reduced ½c. per gallon, November 10, in the northern Kentucky area by the Standard Oil Company of Kentucky. The dealers' margin was also reduced 1c. per gallon.

Market Conditions

Gasoline.—The local tankcar market softened last week as reported offerings of 65 octane plus were heard at 6c. to 6¼c. per gallon at refineries. While the weather conditions were fair and the two holidays during the week promoted a fairly good jobbing interest there was not much snap in the week's trading. For the first time in the past few weeks the statistical position of the market failed to improve, and the stocks of finished and unfinished gasoline for the week end November 5 increased to 68,236,000 barrels, against 67,590,000 barrels in the preceding week. The stocks at this time a year ago were 68,469,000 barrels. The production of gasoline for the week ended November 5 was reported by producers controlling 85.6 percent of the nation's refinery capacity as having been 9,495,000 barrels, against 9,762,000 barrels in the preceding week.

Kerosene.—The local market did not possess much strength. The warm temperatures have held the sales movement down to a low point, and there were some reports of offerings on liquidation at 4⅝c. per gallon. The quoted market for the 41-43 water white article in tankcar quantities was 4¾c. per gallon, f.o.b. refinery.

Fuel and Gas Oils.—Heavy stocks continue to hang over the market, and the low temperatures do not encourage purchasing. As a result of this condition the fuel oil market here is rather soft. Stocks of residual fuel oils continued to mount, according to the latest A.P.I. report, which was for the week ended November 5 and which showed stocks of 120,557,000 barrels, against 120,029,000 barrels in the preceding week and 92,356,000 barrels at this time a year ago. Bunker oil continued in a steady position and the price of Diesel oil was also unchanged.

Lubricating Oils.—There is very little interest in the offerings of cylinder oils. Most foreign buyers stocked up in September and October, when the threat of war was present, and there has been very little buying since. Pennsylvania neutrals continued to move in a fair way. Bright stocks could still be shaded in the Pennsylvania market.

Markets at Other Centers

Chicago, Nov. 10.—The tankcar gasoline market has been giving some signs that it is in a leveling-off process after the long

—*Continued on page 50*

Outputs and Quotas

A comparison of Bureau of Mines calculations for November productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended November 5, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	515,000	¶428,000	437,000
Kansas	164,300	¶163,400	144,600
Texas	1,371,000	†1,709,272	1,655,100
Louisiana ..	256,300	235,500	268,400
Arkansas ...	52,300	52,000	49,200
Eastern	148,400	.....	188,800
Michigan ...	50,300	.....	54,250
Wyoming ...	74,700	.....	48,950
Montana ...	13,300	.....	13,100
Colorado	4,000	.....	4,000
New Mexico.	111,000	103,800	103,700
California ..	616,700	‡615,000	656,100
Totals.....	3,391,300	.....	3,628,550

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of, November. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Above production estimates are for week ended 7 a.m. November 5 and therefore include the production of Saturday, October 29 and Sunday, the 30—the previous week-end shut-down not being in force on those days, basic 7-day allowable having been approximately 1,709,000 barrels.

‡ Recommendation of Central Committee of California Oil Producers.

¶ October allowables. November allowables not available at time of publication.

Lignite Hydrogenation Loan Made by Reich

Berlin, Nov. 8, 1938

The Reich had floated a loan for 40,000,000 marks for the formation of a lignite gasoline company for the purpose of lignite hyrdrogenation. This brings the total amount expended on this industry since the beginning of 1937 to 230,000,000 marks. It was reported that an additional loan of 100,000,000 to 120,000,000 marks for the same purpose will be raised early next year.

Galvanized Iron Primer Specifications Proposed

—*Continued from page* 5

The specification covers three types of zinc dust-zinc oxide paint, one with a linseed oil vehicle, one with a glyceryl phthalate vehicle, and one with a phenolic resin vehicle. The paint may be offered with the zinc dust incorporated or separate and dry.

The Composition of the Proposed pigment is: Zinc dust, 79 to 81 percent; zinc oxide, 21 to 19 percent. The zinc dust shall have a metallic content of 96 percent. The zinc oxide shall be lead free. No lead or sulphide shall be present in the paint.

The linseed oil paint shall contain 78 to 81 percent of pigment, and the vehicle shall consist of:—Linseed oil, 89 to 91 percent; thinner (turpentine, or mineral spirits, or both), 5 to 4 percent; drier (oil or naphthenate), 6 to 5 percent.

The pigment content of the glyceryl phthalate paint shall be 62 to 65 percent. The vehicle shall contain not less than 14 percent of glyceryl phthalate; shall be free from rosin and rosin derivatives; and shall have a nonvolatile content of not less than 43 percent.

The pigment content of the phenolic resin paint shall be 78 to 81 percent. The vehicle shall be a straight phenolic resin spar varnish, 50-gallon length of vegetable drying oil, and containing at least 50 percent of nonvolatile matter.

The tentative draft of specifications contain detailed descriptions of the paints and their components and of methods of analysis. Copies may be procured at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Continental Oil Company, Ponca City, Okla., plans an expenditure of $1,500,000 for plant improvements and expansion.

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline prices at the refineries were soft.

	Nov. 11	Nov. 4	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.11	$1.11	$1.337
Gasoline prices at refineries (at four refining centers) per gallon	.0484375	.0484375	.05375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

SHERWOOD'S PETROLATUMS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY—WARREN, PA. MAIN OFFICE—ENGLEWOOD, N.J

Petroleum Production–Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-Nov. 12	1937 Jan. 1-Nov. 12
Commercial crude oil production	1,044,857,000	1,098,059,000
	Week ended Nov. 12, 1938	Week ended Nov. 13, 1937
Daily average production	3,620,900	3,522,000
	Week ended Nov. 5, 1938	Week ended Oct. 29, 1938
Estimated motor fuel stock total	68,236,000	67,590,000
Estimated finished motor fuel stock at refineries	36,940,000	37,208,000

Petroleum Solvents, Lubricants, Fuels

Markets at Other Centers

—*Continued from page 49*

and precipitous decline reached gentler stages in October. It has been aided in such a stabilizing trend by the fact that weather in this region has promoted later-than-normal motoring on a large scale. However, tone of the tankcar dealings is still easy. Prices are holding about even with a week earlier. Kerosene is dull and quiet. Heating oils have been hard-hit by the relatively high temperatures. Heavier industrial fuels now are doing better, because of revived industrial activities—and this in spite of large stocks of the material. Lubricants seem firmer, especially items for industrial use.

GASOLINE.—Low octane motor, 3¾c. to 4c. per gallon; 63-66 octane, 4c. to 4¼c.; 67-69 octane motor, 4⅜c. to 4⅝c.; 70-72 octane, regular, 4⅝c. to 4⅞c.; 60-62 gravity, 400 endpoint, 3¾c. to 4c.; 64-66, 375 endpoint, 4c. to 4¼c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4¼c. to 4⅜c. per gallon; 41-43, water white, 4c. to 4⅛c.

FURNACE OILS.—Range oil, 3⅞c. to 4⅛c. per gallon; No. 1 white, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3⅞c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3⅜c. to 3⅝c.; No. 3, 3⅜c. to 3½c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Nov. 7.—Domestic market quotations remained steady during the past week with no changes being noted in prices previously quoted. Foreign inquiries and exports showed a slight improvement over the previous week. U. S. motor gasoline was quoted at 4⅞c.; U. S. motor below 62 octane at 4⅛c.; 63-67 octane at 5½c. and 68-70 octane at 5⅞c.—all prices being based on a per gallon rate at refinery.

Kerosene continued steady and was quoted at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at 75c. per barrel at terminal and 80c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.46 per barrel delivered.

Contracts Awarded

Acid, Sulphuric:—7,000 pounds awarded to the Hercules Powder Company, Wilmington, at 3.2c. per pound by the Picatinny Arsenal, N. J.; procurement 212, opened September 19.

Diphenylamine:—5,000 pounds; awarded to E. I. du Pont de Nemours & Co., Wilmington; by the Picatinny Arsenal, N. J.; at 29c. per pound; procurement 81, opened September 2.

Yellow Ocher:—2,000 pounds; awarded to the Industrial Paint Company, by the Rock Island Arsenal, Ill., at 5.62c. per pound; procurement 236, opened October 7.

Zinc Oxide:—2,400 pounds in oil; awarded to the Industrial Paint Company, by the Rock Island Arsenal, Ill., at 8.87c. per pound; procurement 236, opened October 7.

N.Y. Paint Technicians Discuss Research and Tests

—*Continued from page 5*

stance, charting the wave-lengths which are transmitted through the substance unhindered, and measuring the extent to which other wave-lengths are absorbed, it is possible to determine the chemical structure of the unknown substance.

Spectroscopy and the other forms of physical analysis are still in their infancy, Mr. Barnes said. Their possibilities have yet to be fully realized and employed.

New Paint Developments

Following the technical discussions, Mr. Sanderson traced the development of paint formulation, placing emphasis on the role played by synthetic resins. He related how rosin was once considered a detriment in varnishes, but with the development of ester gum it became an important, desirable ingredient. Similarly he said fossil gums, once were the only varnish resins, but today synthetic resins, such as "Teglac" and "Beetle" are available to suit every requirement of coating formulation. He concluded by extending an invitation to visit the Stamford laboratory of the Cyanamid company, to view its extensive facilities and the research programs under way there.

At the business session the club installed its officers for the coming year. The new officers are:—President, Joseph Mattiello, of the Hilo Varnish Corporation; vice-president, Carlton H. Rose, of the National Lead Company; and secretary, Preston M. Dunning, of Colonial Works, Inc.

Austin O. Allen, of the A. C. Horn Company, the outgoing president, after his review of the progress of the club during the past year, was presented with a handsome traveling bag in appreciation of his services.

It was announced that the next meeting of the club would be the annual Christmas party, to be held December 15.

Braman Heads Bundy Co.

E. J. Braman has been elected president of the C. M. Bundy Company, manufacturer of pharmaceutical and chemical specialties, Indianapolis, Ind., Mr. Braman, formerly vice-president and general manager, succeeds the late Charles M. Bundy. Arthur Craven has been named vice-president and E. C. Miller, general counsel for the company, has been elected secretary-treasurer.

Oils, Fats and Waxes

Fats and Greases

—*Continued from page 39*

The range of lard quotations from the opening Saturday, November 5, to the close Thursday, November 10, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$7.20	$7.30	$7.20	$7.30	$7.20
December	7.17	7.35	7.15	7.32	7.22
March	7.90	8.05	7.82	8.00	7.85

TALLOWS (tierces).—Edible, 6¼c. to 6⅜c. per pound; prime, 5⅜c. to 5⅝c.; fancy, 5⅜c. to 5⅜c.; special, 5⅛c. to 5¼c.; No. 1, 4⅞c. to 5⅛c.

GREASES (tierces).—Choice white, 5⅜c. to 5½c. per pound; A white, 5⅛c. to 5¼c.; B white, 4⅞c. to 5⅛c.; yellow, 10-16, 4⅝c. to 4¾c.; yellow, 16-20, 4⅜c. to 4½c.; brown, 4¼c. to 4½c.

STEARINS (barrels).—Prime oleo, 6¾c. to 7c. per pound; lard, packages, 8¼c. to 8½c.; A white grease, 5⅜c. to 5⅝c.; yellow grease, 4⅞c. to 5⅛c.; extra oleo stock, 9c. to 9¼c.; No. 2 stocks, 8½c. to 8¾c.

Liverpool, Nov. 11.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	Nov.	Jan.	May.
	s. d.	s. d.	s. d.	s. d.
Saturday	46 0	42 6	42 3	42 6
Monday	46 0	42 3	42 0	42 6
Tuesday	46 0	.. ..	42 0	42 9
Wednesday	46 0	.. ..	42 0	42 9
Thursday	46 0	42 0	42 0	42 9

Liverpool, Nov. 11.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	22 3	18 3
Monday	22 3	18 3
Tuesday	22 3	18 3
Wednesday	22 3	18 3
Thursday	22 3	18 3

Animal Oils

Lard.—The market retained a steady tone. No broadening of trade was noted, local and other consumers being disposed to limit their purchases to small or moderate quantities with the movement of such lots fair.

Neatsfoot.—There was apparently no change in the character of business, such transactions as were reported being limited to comparatively small quantities for prompt shipment. The market was steady.

Oleo.—A steady tone prevailed. There were reports of a fair inquiry at times although consumers showed little disposition to purchase in advance of current needs.

Tallow.—Trade continued along routine lines. The market was steady on the basis of previous quotations.

Markets at Other Centers

Chicago, Nov. 9.—Trade in the animal oils has been quiet, with recently prevailing prices still in effect in most cases.

LARD.—No. 1, 8¼c. to 8¾c. per pound.

OLEO.—No. 2, 8¾c. to 9c. per pound.

TALLOW.—Acidless, 7½c. to 7¾c. per pound. tanks; and 8c. to 8½c., barrels.

Waxes

Bees.—Business was strictly routine and for the most part volume was smaller than in recent weeks, possibly because of the fact that two holidays shortened the business week. However, the general market position was steady and prices were fully maintained throughout the entire period. Stocks seemed to be ample to meet all probable requirements.

Candelilla.—Although trade was light, the market was steady as to price and undertone. Maintenance of shipment prices by means of the shippers' cartel in Mexico in no small part accounted for the evident stability of local values. Imports during the week totaled 796 bales from Mexico.

Carnauba.—The market seemed firmer to stronger. Evidence of moderate shortage in the stocks of some importers was found in the fact that there was considerable business between dealers last week. As the result of this a disposition to advance asking prices by about ½c. per pound was noted in some important directions. Consumer demand was also an improvement over that in the previous week, and that gave added support to the better market situation. Importations during the past week totaled 2,694 bags.

Japan.—Prices in Japan were fractionally higher, but lack of much demand in local circles kept competition to the fore and prevented a needed advance in selling prices in this market.

Bids Wanted

Aluminum, Powdered:—300 pounds; Chemical Warfare Service, Edgewood Arsenal, N. J.; procurement 156, opening November 17.

Chrome Yellow, Dry:—10,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4886, opening December 2.

Cuprous Oxide, Dry:—20,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4886, opening December 2.

Ethylene Dichloride:—2,900 gallons; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 345, opening November 21.

Formaldehyde Solution:—12,000 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 4884, opening December 2.

Lead Acetate:—6,000 pounds for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 4886, opening December 2.

Mercuric Oxide, Dry:—10,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 4886, opening December 2.

Oil, Creosote:—4,000 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; procurement 337, opening November 18.

Cutting:—1,000 gallons; Commanding Officer, Springfield Armory, Ill.; procurement 847, opening November 21.

Fuel:—110,000 gallons, bunker C; U. S. Engineer Office, Army building, N. Y.; procurement 128, opening November 15. 10,000 gallons of diesel No. 2; U. S. Engineer Office, Army building, N. Y.; procurement 128, opening November 15.

Lard:—5,000 gallons; Commanding Officer, Springfield Arsenal, Ill.; procurement 146, opening November 17.

Paris Green:—10,000 pounds; for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 4886, opening December 2.

Gypsum, Calcined:—4,400 pounds; Naval Supply Depot, Norfolk, Va.; schedule 198, opening November 22.

Phenol:—12,000 pounds for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 4886, opening December 2.

Salt:—30 tons of coarse commercial; Capitol Power Plant, Washington; procurement 38138, opening November 15.

Soap, Grit:—1,030 pounds; Purchasing Agent, Post Office Department, Washington; procurement 1231, opening November 25.

Solvent:—3,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 387, opening November 17.

Scouring Compound:—8,000 pounds; Naval Supply Depot, Norfolk, Va.; schedule 199, opening November 23.

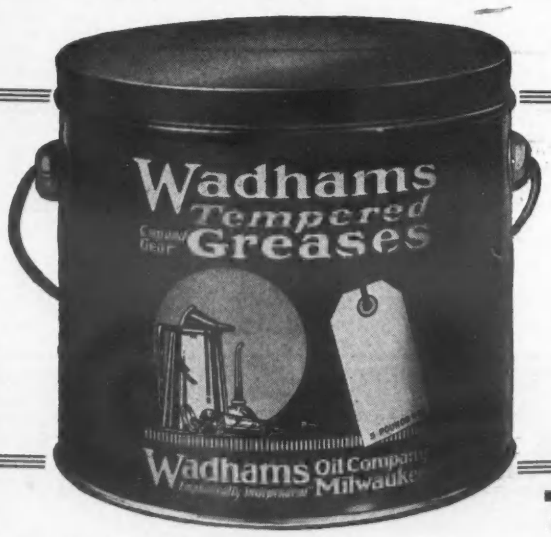
Sulphur:—5,100 pounds of precipitated; Commanding Officer, St. Louis Medical Depot, Mo., procurement 8, opening December 1.

Superphosphate:—75,000 tons of triple; Division of Purchase, Sales, and Traffic, Department of Agriculture, Washington; procurement 4079, opening November 15.

Toner, Toluidine Red:—300 pounds; Purchasing Agent, Government Printing Office, Washington, D. C.; opening November 16.

Wax, Paraffin:—40,000 pounds for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 4833, opening December 2.

Sun Ray Drug Company October sales totaled $553,779, against $554,503 in October last year.



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Fertilizer Materials

Hope for Trade Revival at Atlanta Convention—Expanding Steel Mill Operations Lift Sulphate Production—October Tag Sales Far Below Last Year

While it is hoped that trade in fertilizer raw materials might be stimulated at the Southern convention of the N.F.A. in Atlanta this week, local operators in the market have not been very optimistic for an early buying revival.

The most salient events of the week in review were the news of further expansion in steel mill operations and a companionate increase in ammonia production, and, the news of the Department of Agriculture's invitations for bids to supply 75,000 tons of triple superphosphate for the soil-building program in 1939.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, dom., Chicago, 5c. per unit-ton.
Fish meal, menhaden, Balto., $1 per ton.
Tankage, dom., Chicago, fert. grade, 5c. per unit-ton.
feed grade, 10c. per unit-ton.

Reduced

Blood, import., 5c. per unit-ton.
Tankage, import., 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.7

Market news that may have developed after this report was sent to press will be found on page 4.

Last week's price movements were mixed and generally confined to the organic ammoniates.

October tag sales in 17 states were 11 percent less than October, 1937, amounting to 131,000 tons against 147,000 tons last year and 170,000 tons two years ago. Aggregate sales in the first 10 months of 1938 were 12 percent below the January-October period of 1937. Details of sales for October, a comparison with October for the past two years and comparative data for the January-October period are contained in the accompanying table.

Ammoniates

Nitrate of Soda.—There is not much change in the appearance of the market these days. The calls for deliveries against contracts have been very light. Prices continued steady at the schedule that has been in force for some time.

Sulphate of Ammonia.—Steel mill operations mounted to 61 percent of capacity last week, the highest operating rate in more than a year. The increased production of sulphate has enabled shippers to catch up on deliveries, and the November-December position of the supply side of the market is considerably improved over earlier months this season. Current demands were modest in size. Prices continued at schedule.

Dried Blood.—The Chicago market strengthened and some holders were quoting $3 per unit for supplies. The best price available last week was $2.90 per unit, against $2.85 per unit a week ago. The imported article was easier at $3 per unit, against $3.05 per unit a week ago, and it was indicated that buyers' bids of $2.95 per unit might be accepted. In New York local production was held at $2.90 per unit, with stocks reported as being quite light.

Fish Scrap.—Three more fisherman suspended operations for the season in the Chesapeake district last week. A few boats were still working, but the results were poor. There has been no unground material offered for sale and fishermen fell short on their deliveries. Holders of menhaden meal in Baltimore advanced their price $1 per ton last week to the basis of $50 per ton, f.o.b. Baltimore. Japanese sardine meal continued in a strong position at $45 per ton for spot or shipment, basis c.i.f. ports.

Nitrogenous Material.—The foreign product continued at the recently reduced level of $2.50 per unit, c.i.f., but the offerings did not attract much interest from the buyers. The domestic markets were more or less nominal on the lack of trading.

Tankage.—Imported material was offered cheaper at $3 and 10c. per unit-ton, a reduction of 10c. from the preceding week. The Chicago market was higher, with fertilizer grade advanced 5c. to the basis of $2.65 and 10c. per unit-ton and the feeding grade raised 10c. to the basis of $2.85 and 10c. per unit-ton. The New York market was quiet at $2.75 and 10c. per unit-ton for either ground or unground.

Potashes

The suppliers of agricultural potash materials could not point to much in the way of new developments. The market is very quiet and, except for routine deliveries against orders placed earlier in the season, there was no activity in the market. Prices continue at list without discount.

Phosphates

Phosphatic products also lacked market attention. The buyers evidenced little interest in the offerings. The Department of Agriculture has asked for bids on all or part of 75,000 tons of triple superphosphate, containing not less than 45 percent a.p.a., for delivery over the calendar year 1939.

Bone Materials.—There were no price movements in the list of imported or domestic bone products last week. Buyers did not show any interest in sellers' offerings.

Superphosphate.—With prices holding evenly and a minimum of buying interest was centered in the Department of Agriculture's invitation to bid on all or part of the 75,000 tons of triple super to be used in 1939 to carry out the soil building practices of the Agricultural Conservation program. Bids are to be submitted on the basis of f.o.b. producing point, in bulk or in bags, for material to contain not less than 45 percent a.p.a.

Sulphur and Pyrites

The Louisiana sulphur severance tax will be reduced from $2 to $1.03 per long ton following ratification by popular referendum of a Louisiana State constitutional amendment at last Tuesday's elections. The $2 rate has been in effect since July, 1936. While the amendment voted last Tuesday does provide for limited ad valorem taxes on sulphur in the ground, the reduction in the severance tax should compensate the Louisiana operators for a large part of the recent reduction in the sales price of sulphur.

Markets at Other Centers

Atlanta, Nov. 10.—Attention of southern fertilizer manufacturers is turning to the annual southern meeting of the National Fertilizer Association to be held in

Fertilizer Tag Sales: October

	October				January-October			
	P.C. of	Tons*			P.C. of	Tons*		
South—	1937.	1938.	1937.	1936.	1937.	1938.	1937.	1936.
Virginia†	93	25,870	27,758	35,979	93	396,142	426,441	373,003
North Carolina	106	19,606	18,429	24,568	90	1,042,585	1,158,997	986,803
South Carolina	63	6,150	9,722	8,031	85	640,120	748,868	595,105
Georgia	147	4,675	3,190	6,126	83	705,944	849,324	664,890
Florida†¶	97	47,539	49,070	39,877	92	392,880	425,347	378,459
Alabama	54	750	1,400	850	85	525,700	620,660	466,000
Mississippi	..	250	.....	297	93	300,086	324,249	233,663
Tennessee†	101	6,087	6,013	14,000	92	127,338	138,071	116,238
Arkansas‡	..	1,500	100	250	96	65,000	67,675	44,906
Louisiana†	79	6,790	8,600	6,450	92	139,292	152,078	108,131
Texas†	103	2,263	2,200	813	93	80,061	85,702	59,684
Oklahoma	..	.....	105	200	115	7,855	6,845	6,055
Totals, South	96	121,480	126,587	137,441	88	4,423,003	5,004,257	4,032,937
Midwest								
Indiana	78	1,313	1,688	11,594	86	234,365	273,496	254,024
Illinois	69	2,863	4,125	9,099	89	41,655	46,652	34,764
Kentucky	38	3,288	8,543	3,952	94	109,644	117,078	89,292
Missouri	37	2,093	5,586	6,471	85	70,044	82,200	93,458
Kansas	42	162	384	1,875	119	18,079	15,251	11,140
Totals, Midwest	48	9,719	20,326	32,991	89	473,787	534,677	482,718
Grand totals	89	131,199	146,913	170,432	88	4,896,790	5,538,934	4,515,655

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

¶ Excludes 48,850 tons of cottonseed meal for January-October combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

¶ Includes 29,348 tons of phosphate and lime materials for January-October, 1938.

(Compiled by the National Fertilizer Association)

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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AND AMMONIA LIQUOR
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Atlanta next week. A representative attendance is expected not only from the South but from all sections of the country. As usual buyers and sellers of fertilizer materials will exchange views at the convention and some contracts are usually signed.

Dealers are commenting on the fact that steel consumption is increasing and that as a consequence sulphate of ammonia is available in larger quantities for November and December.

Quotations on leading fertilizer materials at this market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$27.50 per ton, port basis.

COTTONSEED MEAL.—8 percent grade $22.50 to $23 per ton, mill points.

BLOOD.—Foreign $3 per unit, port basis; domestic $2.75, Chicago.

TANKAGE.—Foreign $3.10 and 10c. port basis; Chicago $2.60 and 10c.

NITROGENOUS. — Foreign and coast $2.50 per unit; midwest producing points $2.25.

FISH—Meal $49 per ton, coast; acidulated $2.50 and 10c. per unit.

BONE.—Steamed bone meal 3 and 50 at $22.50 per ton, basis Chicago.

Baltimore, Nov. 11.—Quiet in the crude fertilizer material market was more pronounced last week. The prevailing quotations were as follows:—

FISH SCRAP.—With three more menhaden fishing companies down the Chesapeake Bay ceasing operations the present season seemed very near a close. Other boats continued at work, but these would suspend activities with the first storm. The fish caught of late have been very fat, which helped the oil yield, but did little for scrap. The catch, however, failed to reach proportions that would have made the operations pay. The North Carolina season has gotten under way with the movement of the schools southward. No sales of scrap were reported. Spot Japanese sardine meal is available in limited quantities at $45 per ton. Domestic menhaden meal is held nominally at $50 per ton for spot at seaboard.

TANKAGE.—$2.75 and 10c. to $2.90 and 10c. per unit-ton.

BLOOD.—This product is unchanged at $2.90 per unit-ton for local production.

SUPERPHOSPHATE.—$7.50 per ton for run of pile and at $8 per ton for 16 percent milled and screened supplies.

BONE.—$20 per ton for 1 and 60; $23 per ton for 3 and 50 ground steamed; and $25 to $26 per ton for 4½ and 45 ground raw supplies.

Chicago, Nov. 10.—Buying has been attaining fair proportions in the general fertilizer market situation. In general it appears there is a slightly improving undertone. Buying has been a little more regular and a somewhat better feeling seems to prevail among the suppliers. Inquiries have been coming through quite regularly. Blood has been in fair call and is easily holding its own, with asking quotations tending to be a shade higher. Tankage is marking time but is not easing off additionally. Bone materials are moving out to buyers in good quantities for the most part.

BLOOD.—Principal grade, $2.90 to $3 per unit of ammonia.

TANKAGE.—High grade, ground, $2.60 to $2.70 and 10c.; low grade, $18 to $20; hoof meal, $2.50 to $2.65; liquid stick, $1.75 to $2.

San Francisco, Nov. 8.—Demand has been exceeding the supply in organic fertilizer products in this market and last week sellers were posting increasingly higher prices on such materials as fish meal and tankage. The situation is a strong one and trade has been limited more or less to the factor of availability of supplies. Fish meal is not freely offered due to a light period in sardine catching and tankage is light in supply, packing houses reporting stocks fairly well sold ahead. Chemicals continue to remain slow, as expected of course, although there is some activity in the delivery line, suppliers sending shipments on their way against previous contracts. All in all the market is in good tone.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $19 to $21; 3 and 50 percent, $24 to $26; 4½ and 50 percent, $28 to $29; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $21 to $23; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $30 to $32.50; hard pressed cracklings, per unit of protein, 60c. to 62½c.

—Continued on page 58

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ACID, ARSENOUS — 200 cs, Mitsui & Co, Skelbred, Kobe
CRESYLIC—233 dms, 50 tons, 17 cwt, 20 lbs, American Cyanamid & Chem Co, Scythia, Liverpool
21 dms, 4 tons, 18 cwt, 1 qtr, 15 lbs, W E Jordan & Bros, Scythia, Liverpool
186 dms, 53 tons, 5 cwt, 3 qtrs, 4 lbs, Monsanto Chem Co, Scythia, Liverpool
128 dms, New York Trust Co, Port Montreal, Sydney
ADEPS LANAE — 58 dms, Th Goldschmidt Corp, Noordam, Rotterdam
ALBUMEN, EGG, HEN—28 cs, Bridges, Neumer & Co, Grete Maersk, Kobe
56 cs, Henningsen Prod Co, Grete Maersk, Shanghai
ALOE—50 cs, Selma Mercantile Corp, Flora, Curacao
ALTHEA ROOT—20 bgs, 3,924 lbs, Extavia, Leghorn
ALUMINUM LEAF—5 cs, International Forwarding Co, Hamburg, Hamburg
13 cs, Globe Shipping Co, Hamburg, Hamburg
56 cs, Alka Bottle Capping Mach Co, Europa, Bremen
23 cs, F P Gaskell & Co, Europa, Bremen
AMINOPYRIN — 6 cs, H H Rosenthal Co, Skjelbred, Kobe
AMMONIA, SULPHATE—500 bls, Bradley & Baker, Noordam, Rotterdam
AMMONIAC SAL—55 bbls, 17,974 lbs, National Carloading Corp, Southlure, Gdynia
ANTIMONY, ORE—1,593 bgs, Bank of London South America, Santa Barbara, Mollendo
SULPHIDE—11 cks, Georgic, London
ARECANUT—151 bgs, City of Khios, Colombo
ARSENIC — 152 bbls, American Smelting & Refg Co, Panuco, Tampico
ARTIST'S MATERIAL—5 cs, Winsor & Newton, Georgic, London
1 cs, Rich Oil Color Co, American Merchant, London
ASPHALT—1 car, A V Berner & Co, Seatrain New York, Havana
MINERAL—320 bgs, Central Commi Co, Seatrain Havana, Havana
320 bgs, Central Commi Co, Seatrain New York, Havana
BABASSU KERNELS—2,666 bgs, General Food Corp, Crispin, Camocim
1,693 bgs, Crispin, Camocim
9,333 bgs, General Food Corp, Sonnavind, Maranhao
BARYTES—3 cars, E I duPont de Nemours & Co, Seatrain New York, Havana
BAUXITE ORE—100 bgs, Whittaker, Clark & Daniels, City of Flint, Dundee
BLEACHING POWDER—305 dms, H H Rosenthal & Co, San Yo, Yokohama
BLUE, BLEACHER'S—5 bbls, 1 ton, 2 cwt, 2 qtrs, A De Ronde & Co, Scythia, Liverpool
BONES—1 car, Geck Trading Co, Seatrain Havana, Havana
3,929 bgs, Nordkap, Buenos Aires
960 bgs, Nordkap, Rosario
1,003 bgs, National City Bank, Astri, Buenos Aires
BRISTLES—60 cs, Kane Import Corp, Grete Maersk, Kobe
15 cs, Hamburg, Hamburg
4 cs, Globe Shipping Co, Hamburg, Hamburg
50 cs, Manufacturers Trust Co, San Yo, Tientsin
110 cs, Corn Exchange Bank, San Yo, Tientsin
26 cs, Chase National Bank, San Yo, Kobe
30 cs, Bank of Manhattan, San Yo, Kobe
105 cs, National City Bank, San Yo, Kobe
220 cs, San Yo, Kobe
4 cs, American Merchant, London
70 cs, Kane Import Co, Skjelbred, Tientsin
67 cs, F H Cone & Co, Skjelbred, Tientsin
50 cs, Kane Import Co, Skjelbred, Tientsin
100 cs, N Wagman, Skjelbred, Tientsin
50 cs, N Wagman, Keiyo, Dairen
55 cs, S Bloom, Keiyo, Dairen
100 cs, National City Bank, Keiyo, Dairen
60 cs, H Rosenhirsch Co, Keiyo, Dairen
60 cs, H Rosenhirsch Co, Keiyo, Kobe
10 cs, B C Ritchie & Co, Keiyo, Kobe
25 cs, N Wagman, Grete Maersk, Hongkong
45 cs, Chesnut, Cooper & Co, Grete Maersk, Hongkong
50 cs, F H Cone & Co, Grete Maersk, Shanghai
16 cs, Hughes Autograf Brush Co, Gertrude Maersk, Shanghai
BRONZE POWDER—2 dms, C Happel, Hamburg, Hamburg
14 cs, Hamilton Forwarding Co, Europa, Bremen
CALCIUM CYANAMID—22 cs, San Yo, Osaka
OXIDE—2 cs, 525 lbs, Hamburg, Hamburg
CAMPHOR, CRUDE—50 cs, Mitsui & Co, Skjelbred, Keelung
REFINED—25 cs, McKesson & Robbins, Grete Maersk, Kobe
CANARY SEED—30 bgs, Hamburg, Hamburg
325 bgs, Balfour, Guthrie & Co, Nordkap, Buenos Aires
934 bgs, A G Dunn, Eastern Prince, Buenos Aires
110 bgs, Eastern Prince, Buenos Aires
CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Nieuw Amsterdam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Nieuw Amsterdam, Rotterdam
285 bgs, 31,350 lbs, Catz American Co, Robert Maersk, Rotterdam
100 bgs, 11,000 lbs, Beckermayer Co, Robert Maersk, Rotterdam
100 bgs, 11,000 lbs, A G Dunn, Noordam, Rotterdam
100 bgs, 11,000 lbs, Black Diamond Seed Co, Noordam Rotterdam
50 bgs, 5,500 lbs, Archibald & Kendall, Noordam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Black Hawk, Rotterdam
CARBON DECOLORIZING—2 cs, Rohner, Gehrig & Co, Nieuw Amsterdam, Rotterdam
CARDAMOM—30 cs, City of Florence, Colombo
CASSIA—300 bls, Wah Young Co, Grete Maersk, Hongkong
100 bls, Durkee Famous Food, Grete Maersk, Canton
CASTOR BEANS—1,705 bgs, Baker Castor Oil Co, Crispin, Bahia
1,694 bgs, Spencer Kellogg & Sons, Crispin, Bahia
1,700 bgs, Crispin, Bahia
3,387 bgs, Bank of London South America, Crispin, Maceio
3,400 bgs, Crispin, Pernambuco
2,500 bgs, Crispin, Ceara
CASTOR BEANS—800 bgs, Baker Castor Oil Co, Crispin, Ceara
2,399 bgs, Baker Castor Oil Co, Crispin, Camocim
834 bgs, Crispin, Camocim
7,745 bgs, Sonnevind, Ceara
1,850 bgs, Baker Castor Oil Co, Mormacstar, Santos
3,700 bgs, Spencer Kellogg & Sons, Mormacstar, Santos
CHALK—1 bg, Scanstates, Gdynia
COMMON—160 bgs, Premier Shipping Co, Georgic, London
PRECIPITATED—525 bgs, 39 tons, 16 cwts, 3 qtrs, 14 lbs, H J Baker & Bro, Scythia, Liverpool
CHAMOIS—7 cs, American Sponge & Chamois Co, President Roosevelt, Hamburg
5 cs, President Roosevelt, Hamburg
CHEMICALS—20 cs, 4,840 lbs, Robinson-Wagner Co, Hamburg, Hamburg
5 cs, 460 bgs, Hamburg, Hamburg
10 dms, 2 cs, Jungmann & Co, Hamburg, Hamburg
9 bbls, Riedel de Haen, Hamburg, Hamburg
12 cs, Schimmel & Co, Hamburg, Hamburg
50 cks, E I du Pont de Nemours Co, Hamburg, Hamburg
200 bgs, J E Bernard & Co, Hamburg, Hamburg
1 cs, A V Berner & Co, Hamburg, Hamburg
3 cs, C Happel, Hamburg, Hamburg
1 cs, Pfaltz & Bauer, Hamburg, Hamburg
650 bgs, 5 cs, 112 cks, Hamburg, Hamburg
21 cks, General Aniline Works, President Roosevelt, Hamburg
37 cks, Innis, Speiden & Co, Nieuw Amsterdam, Rotterdam
8 cks, 2 dms, 29 cs, Nieuw Amsterdam, Rotterdam
2 cks, 7 kegs, 3 cs, Pfaltz & Bauer, Europa, Bremen
1 ck, Stanley Doggett, Europa, Bremen
3 cs, Europa, Bremen
100 demij, 300 bgs, Black Eagle, Rotterdam
1 cs, 100 bgs, 63 carboys, Industrial Sales Corp, Black Eagle, Antwerp
100 bbls, 150 bgs, Black Eagle, Antwerp
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1 tin, Advance Solvents & Chem Co, Noordam, Rotterdam
500 bgs, Robinson-Wagner Co, Noordam, Rotterdam
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40 cs, Bergstrom Trading Co, Tunaholm, Gothenburg
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20 cks, Jungmann & Co, Scanstates, Gdynia
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20 cks, Black Hawk, Rotterdam
PHOTO—3 cs, American Express Co, Hamburg, Hamburg
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CHLOROPHYLL—1 cs, American Express Co, Hamburg, Hamburg
CHROME, SULPHATE — 50 cyls, Jacques Wolf & Co, Black Eagle, Antwerp
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PRODUCTS—100 cs, Merck & Co, Robert Maersk, Rotterdam
CINCHONINE SULPHATE—5 cs, New York Quinine & Chem Works, Nieuw Amsterdam, Rotterdam
CINNABAR—15 bbls, 3 cs, Extavia, Leghorn
COALTAR DERIVATIVES — 9 dms, General Aniline Works, Nieuw Amsterdam, Rotterdam
30 dms, General Aniline Works, Noordam, Rotterdam
INTERMEDIATES—2 cs, General Dyestuff Corp, Hamburg, Hamburg
18 cks, General Aniline Works, President Roosevelt, Hamburg
119 cks, 64 dms, General Aniline Works, Nieuw Amsterdam, Rotterdam
116 cks, 7 tins, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
21 cks, General Dyestuff Corp, Europa, Bremen
13 dms, General Aniline Works, Noordam, Rotterdam
COBALT, OXIDE—70 kgs, Central Trading Corp, Scanstates, Wiborg
COCOA BEANS—183 bgs, Crispin, Para
2,000 bgs, Wessel Kulenkampf & Co, Marpesia, Bahia
500 bgs, National City Bank, Marpesia, Bahia
9,000 bgs, General Cocoa Co, Marpesia, Ilheos
5,000 bgs, Wessel, Kulenkampf & Co, Marpesia, Ilheos
2,000 bgs, Wood & Selick, Marpesia, Ilheos
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24 bgs, Meyer & Co, Santa Elena, Puerto Cabello
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400 bls, Eggers & Heinlein, Sonnavind, Iquitos
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DRUGS—20 cs, Chase Natl Bank, Georgic, London
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DYES—3 cks, 1 cs, Rohner, Gehrig & Co, Europa, Bremen
ALIZARIN—7 jugs, 73 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
7 cks, General Dyestuff Corp, Europa, Bremen
ANILIN—45 cks, 1 pkg, General Dyestuff Corp, Hamburg, Hamburg
72 cks, 1 cs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
19 dms, 2 cks, Ciba Co, Nieuw Amsterdam, Rotterdam
2 dms, 2 cs, 51 cks, General Dyestuff Corp, Europa, Bremen
EGG YOLK, HEN—56 cs, San Yo, Tientsin
56 cs, T M Duche & Sons, Skjelbred, Tientsin
FENUGREEK SEED—170 bgs, R J Prentiss & Co, Exchester, Piraeus
FERROMANGANESE — 100 cks, President Roosevelt, Hamburg
FILTER COMPOUND—100 cs, H Reifenberg, President Roosevelt, Hamburg
MASS—10 bls, Aug Giese & Son, Hamburg, Hamburg
FISH SOUNDS—28 bgs, Fulton Freight Forwarding Corp, Santa Elena, Maracaibo
FLAXSEED — 5,080,000 kilos, 203,200 bus, Archer Daniels Midland Co, Sonnavind, Rosario
2,538,984 kilos, 101,559 bus, L Dreyfus & Co, Mormacstar, Diamante
813,816 kilos, 32,553 bus, L Dreyfus & Co, Mormacstar, Villa Constitucion
3,048,000 kilos, 121,920 bus, Archer Daniels Midland Co, Nordkap, Rosario
Quantity, Bunge North American Grain Co, Eastern Prince, Buenos Aires
FLEASEED—249 bgs, City of Florence, Colombo
FULLER'S EARTH—150 bgs, 33,000 lbs, L A Salomon & Bro, Georgic, London
GELATIN, POWDERED—1 cs, International Selling Corp, Pennland, Antwerp
SHEET—20 cs, American Express Co, Black Hawk, Rotterdam
GINGER ROOT—50 bgs, Jamaica, Kingston
GLASS, PLATE—12 cs, World's Fair, Henri Jaspar, Antwerp
2 cs, Brown Bros Harriman, Henri Jaspar, Antwerp
SHEET—1,250 cs, Black Eagle, Antwerp
1 cs, Ednal Co, Scythia, Liverpool
600 cs, National City Bank, Henri Jaspar, Antwerp
WINDOW—16 cs, Leo Popper & Sons, Hamburg, Hamburg
124 cs, Semon, Bache & Co, Black Eagle, Antwerp
508 cs, Pennland, Antwerp
1 cs, Semon, Bache, & Co, Scythia, Liverpool
34 cs, World's Fair, Henri Jaspar, Antwerp
352 cs, Henri Jaspar, Antwerp
GLAUBER'S SALT—185 bbls, Atlantic Freighting Co, Pennland, Antwerp
GLUESTOCK—86 bgs, H Remis, Seatrain Havana, Havana
301 bgs, J J Murphy & Co, Scythia, Liverpool
GLYCERIN—21 dms, Nordkap, Buenos Aires
GRAPHITE—750 bgs, National City Bank, City of Khios, Colombo
GREASE, VEGETABLE—6 bbls, Hamburg, Hamburg
GUM—10 bgs, Noordam, Rotterdam
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ARABIC—59 bgs, Frank Vliet Co, City of Khios, Port Sudan
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300 bgs, Innis, Speiden & Co, City of Florence, Port Sudan
50 bgs, Orbis Product Corp, City of Florence, Port Sudan
150 bgs, Frank Vliet Co, City of Florence, Port Sudan
250 bgs, Thurston & Braidich, City of Florence, Port Sudan
150 bgs, National Adhesive Corp, City of Florence, Port Sudan
100 bgs, S B Penick & Co, City of Florence, Port Sudan
600 bgs, T M Duche & Sons, City of Florence, Port Sudan
450 bgs, Paul A Dunkel & Co, City of Florence, Port Sudan
450 bgs, Paul A Dunkel & Co, City of Florence, Port Sudan
300 bgs, City of Florence, Port Sudan
300 bgs, S B Penick & Co, City of Khios, Port Sudan
50 bgs, Thurston & Braidich, City of Khios, Port Sudan
75 bgs, France, Campbell & Darling, City of Khios, Port Sudan
300 bgs, Innis, Speiden & Co, City of Khios, Port Sudan
100 bgs, City of Khios, Port Sudan
ASAFETIDA—28 cs, City of Khios, Colombo
CHICLE—168 bls, Chicle Development Co, Platano, Puerto Barrios
GUM, COPAL—70 bgs, G W S Patterson & Co, Georgic, London
100 bgs, American Cyanamid & Chem Co, Henri Jaspar, Antwerp
120 bgs, S Winterbourne & Co, Henri Jaspar, Antwerp
80 bgs, France, Campbell & Darling, Henri Jaspar, Antwerp
40 bgs, W H Scheel, Henri Jaspar, Antwerp
GUAIAC—10 cs, Recio & Co, San Jacinto, Azua
KARAYA—136 bgs, Frank Vliet Co, City of Florence, Colombo
458 bgs, City of Florence, Colombo
308 bgs, City of Khios, Colombo
LOCUST BEAN—50 bgs, Innis, Speiden & Co, Conti de Savoia, Genoa
30 bgs, Paul A Dunkel & Co, Conti de Savoia, Genoa
25 bgs, Conti de Savoia, Genoa
40 bgs, Stein, Hall & Co, Conti de Savoia, Palma de Mallorca
MASTIC—10 cs, Guaranty Trust Co, City of Florence, Port Said
10 cs, National Bank of Greece, Exchester, Piraeus
100 cs, National Bank of Greece, Extavia, Piraeus
MYRRH—6 cs, J L Hopkins & Co, City of Khios, Aden
OLIBANUM—70 bgs, Frank Vliet Co, City of Florence, Colombo
SOLUTION—2 cs, M Grumbacher, Noordam, Rotterdam
YACCA—229 bgs, W H Scheel, Port Montreal, Adelaide
GYPSUM—4,500 tons, U S Gypsum Co, Gypsum King, Windsor
2,200 tons, Newark Plaster Co, Pluto, Hillsborough
5,550 tons, U S Gypsum Co, Gypsum Empress, Windsor
2,220 tons, National Gypsum Co, Sekstant, Dingwall
HENNA LEAVES—20 bls, Peek & Velsor, City of Khios, Port Said
HERBS, MEDICINAL — 17 bls, Hamburg, Hamburg
70 bls, S B Penick & Co, Robert Maersk, Antwerp
20 bls, Peek & Velsor, Antwerp
8 cs, S B Penick & Co, Robert Maersk, Antwerp
HOOFS, CATTLE—661 bgs, Geck Trading Co, Seatrain Havana, Havana
265 bgs, Santa Elena, Puerto Cabello
HOPS—10 bls, H S Head, Southlure, Gdynia
5 bls, Karr Ellis & Co, Hamburg, Hamburg
5 ballots, Globe Shipping Co, Hamburg, Hamburg
10 bls, Hamburg, Hamburg
220 bls, R F Downing & Co, President Roosevelt, Hamburg
35 bls, President Roosevelt, Hamburg
78 bls, S S Steiner, Black Eagle, Antwerp
5 bls, Atlantic Forwarding Co, Black Eagle, Antwerp
20 bls, Atlantic Forwarding Co, Black Eagle, Antwerp
24 bls, Pennland, Antwerp
50 bls, Huges Fawcett, Henri Jaspar, Antwerp
HOREHOUND LEAVES—25 bls, R J Prentiss & Co, Exchester, Casablanca
HORNS, CATTLE—1,029 bgs, Geck Trading Co, Seatrain Havana, Havana
IPECAC ROOT—10 bgs, C E Griffin Co, Ancon, Cristobal
IRON, CHLORIDE—20 dms, 9,416 lbs, Hamburg, Hamburg
OXIDE—46 bbls, Black Eagle, Antwerp
75 cks, Robinson-Wagner Co, Noordam, Rotterdam
228 bbls, C J Osborn & Co, Noordam, Rotterdam
10 cks, 2 tons, 11 cwt, 1 qtr, 2 lbs, Whittaker, Clark & Daniels, Scythia, Liverpool
35 cks, 6 tons, 5 cwt, Scythia, Liverpool
ISINGLASS—15 cs, C H Reisig, Georgic, London
KYANITE ORE—90 tons, City of Florence, Calcutta
LECITHIN—5 bbls, 2,477 lbs, P S Royals, Hamburg, Hamburg
5 bbls, 2,501 lbs, Hamburg, Hamburg
LICORICE ROOT—74 bls, City of Florence, Port Said
LITHOPONE — 500 cks, Benj Moore & Co, Noordam, Rotterdam
LYCOPODIUM—10 cs, 1,386 lbs, Peek & Velsor, Hamburg, Hamburg
10 cs, 1,320 lbs, Hamburg, Hamburg
MACE—31 cs, Nerissa, Grenada
16 cs, Nieuw Amsterdam, Rotterdam
4 cs, Middleton & Co, Eastern Prince, Port Spain
MAGNESIA CARBONATE—20 bgs, 10 cwt, 1 qtr, 14 lbs, Concentrate Mfg Co, Scythia, Liverpool
MANGANESE ORE—2,149 bgs, General Dry Batteries, Emilia, Ponce
MATCHES, SAFETY — 175 tins, Pennland, Antwerp
20 cs, N Y Match Co, Tunaholm, Gothenburg
500 pkgs, Guaranty Trust Co, Scanstates, Helsingfors
MEDICINAL PREPS—19 crtns, G J Tajargo, Borinquen, San Juan
1 crtn, C L Huisking & Co, Borinquen, San Juan
50 cs, Noordam, Rotterdam
23 cs, Italian Drug Import Co, Conte di Savoia, Genoa
MENTHOL—15 cs, H H Rosenthal Co, Skjelbred, Kobe
MICA—9 cs, Philadelphia National Bank, City of Florence, Calcutta
85 cs, Philadelphia National Bank, City of Khios, Florence
63 cs, Gillespie-Rogers-Pyatt Co, City of Khios, Calcutta
22 cs, Eastern Prince, Rio de Janeiro
BLOCK—2 cs, American Merchant, London
92 cs, Wah Chang, City of Khios, Calcutta
DISCS—2 cs, City of Khios, Calcutta
1 cs, Wah Chang Trading Corp, Grete Maersk, Hongkong
FILM—11 cs, City of Khios, Calcutta
SPLITTINGS—225 cs, General Electric Co, City of Khios, Calcutta
MILLET SEED—27 bgs, American Merchant, London
MINERAL ORE—19 cs, Crispin, Pernambuco
MINERALS — 1,220 bgs, National Lead Co, Nordkap, Buenos Aires
MOLASSES—547,518 gls, Carrabulle, San Pedro
708,232 gls, Cuba Distilling Co, Carrabulle, San Juan
350,000 kilos, W R Grace & Co, Santa Barbara, Supe
250,000 kilos, W R Grace & Co, Santa Barbara, Salaverry
MOLYBDENUM—22 dms, Mercantile Metal & Ore Corp, Exchester, Istanbul
MURU MURU KERNELS—3,694 bgs, General Food Corp, Crispin, Para

MUSTARD SEED—50 bgs, B H Old & Co, President Roosevelt, Hamburg
300 bgs, Catz American Co, Robert Maersk, Rotterdam
200 bgs, Charles Gulden, Black Eagle, Rotterdam
MYROBALANS—400 bgs, Guaranty Trust Co, City of Khios, Bombay
NAPHTHALENE—2,000 bgs, 215,343 lbs, Black Hawk, Antwerp
NIGER SEED—267 bgs, City of Florence, Colombo
NUTMEGS—100 bgs, 2 cs, C T Wilson & Co, Nerissa, Grenada
50 bgs, Royal Bank of Canada, Nerissa, Grenada
9 bgs, Middleton & Co, Eastern Prince, Port Spain
NUX VOMICA—327 bgs, City of Khios, Colombo
1,000 pockets, Volkart Bros, City of Khios, Calicut
OIL, BAY—7 cs, Nerissa, Dominica
CADE—10 dms, American Merchant, London
CAMPHOR—60 dms, Ungerer & Co, Skjelbred, Yokohama
3 dms, Geo Lueders & Co, Keiyo, Kobe
30 dms, Ungerer & Co, Keiyo, Yokohama
50 dms, Dodge & Olcott Co, Grete Maersk, Kobe
CASSIA—10 dms, Bingham & Co, Grete Maersk, Canton
CHINAWOOD—863 tons, Archer, Daniels, Midland Co, Grete Maersk, Hongkong
471,889 lbs, Bunge North American Grain Co, Grete Maersk, Hongkong
427 tons, National City Bank, Grete Maersk, Hongkong
CINNAMON LEAF—7 dms, Barber S S Line, Georgic, London
4 dms, Volkart Bros, City of Khios, Colombo
CITRONELLA—10 dms, Barber S S Line, Georgic, London
11 dms, Irving Trust Co, City of Khios, Colombo
CLOVES—20 dms, French Line, City of Khios, Port Said
COCONUT—6,685 tons, Balfour, Guthrie & Co, Gertrude Kellogg, Manila
315 tons, Wecoline Product, Inc, Grete Maersk, Cebu
295 tons, L N Jackson & Co, Grete Maersk, Cebu
COD—450 cks, Balfour, Guthrie & Co, President Roosevelt, Hamburg
75 cks, Bowring & Co, Fort Amherst, St Johns
CORN—50 dms, Georgic, London
113 tons, Corn Product Refg Co, Grete Maersk, Kobe
COTTONSEED—290 bbls, Crispin, Pernambuco
CROTON—3 cs, Dodge & Olcott Co, Georgic, London
ESSENTIAL—2 cs, Hamburg, Hamburg
3 cs, Georgic, Southampton
1 cs, President Roosevelt, Hamburg
2 cs, Noordam, Rotterdam
1 dm, Jamaica, Kingston
EUCALYPTUS—14 dms, Doodge & Olcott Co, Port Montreal, Sydney
20 dms, Orbis Product Corp, Port Montreal, Sydney
23 dms, Orbis Product Corp, Port Montreal, Melbourne
20 dms, 40 cs, Port Montreal, Melbourne
FISH—2 dms, E R Squibb & Sons, San Yo, Yokohama
FUEL—65,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
68,797 bbls, Asiatic Petroleum Corp, Sandar, Curacao
135,000 bbls, Standard Oil Co of N J, C J Spillman, Aruba
115,000 bbls, Standard Oil Co of N J, D L Harper, Aruba
GERANIUM—5 dms, French Line, City of Khios, Port Said
LEMONGRASS—12 dms, City of Khios, Cochin
LIME—1 cs, R Desvernine, Nerissa, Martinique
12 cs, Middleton & Co, Nerissa, Dominica
LUBRICATING—30 dms, Duke Laboratories, Noordam, Rotterdam
MINERAL—250 dms, Heemsoth Kerner Corp, Hamburg, Hamburg
OITICICA—125 dms, Crispin, Ceara
1 pkg, J H Redding, Crispin, Ceara
1 pkg, Brazil Oiticica, Inc, Crispin, Ceara
2 dms, Brown Sites Co, Sonnavind, Ceara
16 dms, Sonnavind, Ceara
OLIVE—25 dms, Lekas & Drivas, Exchester, Piraeus
50 dms, Leghorn Trading Co, Exchester, Piraeus
25 dms, Comm'l Bank of Greece, Exchester, Piraeus
50 dms, W A Taylor & Co, Exchester, Piraeus
100 dms, Smith Weihman Co, Exchester, Piraeus
25 dms, Levant Amer Commi Co, Exchester, Piraeus
25 dms, Uddo Taormine Corp, Exchester, Piraeus
10 dms, Argyin Import Co, Exchester, Piraeus
100 cs, Exchester, Piraeus
75 dms, Schroeder Bros, Exchester, Piraeus
65 dms, Bank of Greece, Exchester, Piraeus
350 cs, Extavia, Genoa
1,520 cs, Extavia, Leghorn
20 cs, Extavia, Catania
100 dms, Venice Import Co, Extavia, Piraeus
25 dms, Lekas & Drivas, Extavia, Piraeus
100 dms, J Alban & Co, Extavia, Piraeus
25 dms, B Dorman, Extavia, Piraeus
25 dms, Uddo Taormina Corp, Extavia, Piraeus
10 dms, Natl Bank of Greece, Extavia, Piraeus
25 dms, Ionian Bank, Extavia, Piraeus
550 dms, Smith Weihman Co, Extavia, Piraeus
OLIVE SULPHUR—102,890 kilos, Leghorn Trading Co, Exchester, Piraeus
195,000 kilos, Leghorn Trading Co, Exchester, Polychnito
150,000 kilos, Ionian Bank, Exchester, Calamata
PALM—100 dms, Regent Import Co, Robert Maersk, Rotterdam

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OIL, PEANUT—50 dms, De Simone Bros, Nieuw Amsterdam, Rotterdam
PETITGRAIN — 50 cs, W R Grace & Co, Mormacstar, Diamante
RAPESEED—298 tons, Mitsui & Co, San Yo, Kobe
ROSEWOOD—17 dms, Sonnavind, Manaos
SASSAFRAS—23 dms, Norda Essential Oil & Chem Co, Grete Maersk, Kobe
SOYBEAN—198 tons, Mitsui & Co, San Yo, Dairen
SUNFLOWER SEED—50 dms, Nieuw Amsterdam, Rotterdam
SYNTHETIC—1 dm, 29 cs, Lo Curto & Funk, Robert Maersk, Rotterdam
TEASEED—50 dms, Arnhold & Co, Grete Maersk, Shanghai
VEGETABLE—50 dms, W R Grace & Co, Skjelbred, Kobe
OPIUM—5 cs, New York Quinine & Chem Works, American Merchant, London
ORE—3 dms, American Cyanamid & Chem Co, Port Montreal, Sydney
ORRISROOT—2 cs, Yardley & Co, Georgic, London
80 bgs, C Mathieu, Extavia, Leghorn
63 bgs, Lo Curto & Funk, Extavia, Leghorn
PAPAIN—20 cs, Brown Bros, Harriman Co, City of Florence, Colombo
45 cs, McKesson & Robbins, Grete Maersk, Kobe
PAPRIKA—100 bgs, McCormick & Co, President Roosevelt, Hamburg
PARAFFIN—400 bgs, Barber S S Line, American Merchant, London
PEATMOSS—1,600 bls, Hamburg, Hamburg
20 bls, Domestic Foreign Discount Corp, Hamburg, Hamburg
2,150 bls, Half Moon Mfg Co, Noordam, Rotterdam
1,090 bls, Premier Peatmoss Corp, Noordam, Rotterdam
800 bls, Premier Peatmoss Corp, Scanstates, Gdynia
PEPPER, BLACK—13,960 bgs, Grete Maersk, Oosthaven
PETROLEUM, CRUDE—90 795 bbls, Standard Oil Co of N J, E G Seubert, Las Piedras
96,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
110,441 bbls, Standard Oil Co of N J, F J Wolfe, Las Piedras
PHOSPHORITE AMORPHOUS—10 cs, Mitsui & Co, San Yo, Kobe
PIMENTO — 100 bgs, Mincing Trading Co, Jamaica, Kingston
100 bgs, Barclay Bank, Jamaica, Kingston
POPPYSEED—100 bgs, 11,000 lbs, R L Friedler, Nieuw Amsterdam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Nieuw Amsterdam, Rotterdam
150 bgs, 16,500 lbs, Levy & Levis Co, Nieuw Amsterdam, Rotterdam
400 bgs, 44,000 lbs, Nieuw Amsterdam, Rotterdam
450 bgs, 49,500 lbs, Catz American Co, Robert Maersk, Rotterdam
800 bgs, 88,000 lbs, C M Van Sillevoldt, Nieuw Amsterdam, Rotterdam
150 bgs, 16,500 lbs, I Grob & Co, Nieuw Amsterdam, Rotterdam
100 bgs, 11,000 lbs, Van Loan & Co, Black Eagle, Rotterdam
200 bgs, 22,000 lbs, A G Dunn, Noordam, Rotterdam
100 bgs, 11,000 lbs, Wagner Bros, Noordam, Rotterdam
100 bgs, 11,000 lbs, Archibald & Kendall, Noordam, Rotterdam
50 bgs, 5,500 lbs, F H Van Damm, Noordam, Rotterdam
200 bgs, 22,000 lbs, H Joel, Scanstates, Gdynia
1,700 bgs, 170,000 lbs, H S Cramer & Co, Scanstates, Gdynia
POTASH CHLORATE — 200 dms, Charles Hardy, Black Eagle, Antwerp
MURIATE—5,000 bgs, N V Potash Export Mij, Black Eagle, Antwerp
POTATO FLOUR — 100 bgs, Strohmeyer & Arpe Co, Nieuw Amsterdam, Rotterdam
PYRETHRUM FLOWERS—125 bls, McKesson & Robbins, Grete Maersk, Kobe
QUEBRACHO EXTRACT—3,123 bgs, Tannin Corp, Eastern Prince, Buenos Aires
3,445 bgs, International Product Corp, Eastern Prince, Buenos Aires
QUICKSILVER — 60 flasks, Chase National Bank, Panuco, Tampico
QUININE SULPHATE—10 cs, New York Quinine & Chem Works, Nieuw Amsterdam, Rotterdam
RADIUM—1 cs, Radium Chem Co, Henri Jaspar, Antwerp
RAPESEED—165 bgs, A G Dunn, Noordam, Potterdam
172 bgs, Eastern Prince, Buenos Aires
RESIN—30 cs, Astoria Import & Mfg Co, Sonnavind, Iquitos
100 cs, Santo Domingo & Co, Sonnavind, Iquitos
POWD—3 cs, Noel De Oliveira Moore, Black Eagle, Antwerp
RHUBARB—25 cs, Melchers, Inc, Grete Maersk, Shanghai
49 cs, Irving Trust Co, Grete Maersk, Shanghai
ROOT, MEDICINAL—6 bls, 18 bgs, S B Penick & Co, Hamburg, Hamburg
3 bls, Peek & Velsor, Hamburg, Hamburg
7 bgs, Extavia, Leghorn
ROSE LEAVES—1 ck, Yardley & Co, Georgic, London
ROSIN, LIQUID — 50 dms, Kersten Miles, Sundsvall
SAFFLOWERS—26 bls, Peck & Velsor, City of Khios, Port Said
SARSAPARILLA ROOT—18 bls, Panuco, Tampico
SAWDUST—748 bgs, State Chem Co, Noordam, Rotterdam
SEAWEED EXTRACT—50 bgs, 2 tons, 5 cwt, 2 qtrs, 4 lbs, National Adhesive Corp, Scythia, Liverpool
SENNA, LEAVES—90 bls, City of Florence, Colombo
141 bls, S B Penick & Co, City of Florence, Colombo
195 bls, S B Penick & Co, City of Khios, Colombo
5 bls, City of Khios, Colombo
PODS—25 bls, McKesson & Robbins, City of Florence, Colombo
10 bls, City of Khios, Colombo
SESAME SEED—348 bgs, T M Duche & Sons, City of Florence, Port Sudan
348 bgs, W R Howe, City of Florence, Port Sudan
SHELLAC—45 cs, 25 bgs, A Hurst & Co, Hamburg, Hamburg
15 bgs, Wm Zinsser & Co, Georgic, London
75 bgs, A Hurst & Co, Nieuw Amsterdam, Rotterdam
100 bgs, Ralli Bros, City of Florence, Calcutta
500 bgs, A Hurst & Co, American Merchant, London
200 bgs, Ralli Bros, City of Khios, Calcutta
GARNET LAC—9 bgs, 6 cs, Wm Zinsser & Co, Georgic, London
SEEDLAC—600 bgs, Mantrose Corp, City of Florence, Calcutta
400 bgs, Guaranty Trust Co, City of Khios, Calcutta
200 bgs, Wm Zinsser & Co, City of Khios, Calcutta
400 bgs, Ralli Bros, City of Khios, Calcutta
200 bgs, City of Khios, Calcutta
SIENNA—66 cks, C K Williams & Co, Extavia, Leghorn
310 bgs, Reichard-Coulston, Extavia, Leghorn
SOAP—25 pkgs, J Victory & Co, Emilia, Mayaguez
1 cs, Yardley & Co, Georgic, London
10 cs, Titan Shipping Co, American Merchant, London
BASE—47 cs, Yardley & Co, Georgic, London
SHAVING—1 cs, Rolls Razor, Inc, Georgic, London
SOAP BARK—25 bgs, 2,750 lbs, Peek & Velsor, Hamburg, Hamburg
SODA, CARBONATE—6 bgs, W J Bush & Co, American Merchant, London
PRUSSIATE—203 cs, San Yo, Osaka
202 kgs, San Yo, Yokohama
SILICOFLUORIDE—100 bgs, 22,000 lbs, Hummel Chem Co, Hamburg, Hamburg
80 bbls, 23,760 lbs, Hummel Chem Co, Hamburg, Hamburg
80 bbls, 23,760 lbs, Innis, Speiden & Co, Hamburg, Hamburg
SOLVENTS—393 bgs, C P Chemical Solvents, Emilia, Ponce
SPONGES—5 bls, Phoenix Shipping Co, Oriente, Havana
1 cs, D C Andrews & Co, American Merchant, London
REFUSE—113 bls, Johns Manville Corp, Oriente, Havana
SQUILL—140 bgs, Extavia, Catania
STARCH, POTATO—50 bgs, American Cyanamid & Chem Co, Black Eagle, Rotterdam
50 bgs, Arnold Hoffman & Co, Noordam, Rotterdam
SOLUBLE—100 bgs, Stein, Hall & Co, Nieuw Amsterdam, Rotterdam
SUPERPHOSPHATE—1 pkg, Georgic, London
SUMAC—350 bgs, Tannin Corp, Extavia, Palermo
126 bgs, W L Montgomery & Co, Extavia, Palermo
LEAF—100 bls, Tannin Corp, Extavia, Palermo
TALC—1,171 bgs, C B Chrystal & Co, San Yo, Dairen
889 bgs, San Yo, Dairen
1,020 bgs, C B Chrystal & Co, Grete Maersk, Kobe
2,880 bgs, Grete Maersk, Kobe
150 bgs, C Mathieu, Extavia, Genoa
TALIUM SULPHATE—2 cs, Scanstates, Gdynia
TALLOW, VEGETABLE—40 cs, Th Goldschmidt Corp, Noordam, Rotterdam
TANKAGE—991 bgs, Swift & Co, Mormacstar, Diamante
454 bgs, Mormacstar, Diamante
3,012 bgs, Nordkan, Buenos Aires
6,629 bgs, Astri, Buenos Aires
508 bgs, National City Bank, Eastern Prince, Montevideo
500 bgs, Armour & Co, Eastern Prince, Montevideo
TEAWASTE—900 bgs, Citro Chem Co, Georgic, London
1,529 bgs, Citro Chem Co, City of Florence, Calcutta
1,081 bgs, Commi Bank Trust Co, City of Florence, Calcutta
1,034 bgs, Citro Chem Co, City of Khios, Calcutta
TEXTILE FINISHING PROD—6 cks, American Edka Corp, Nieuw Amsterdam, Rotterdam
TIMBO ROOT, POWD—715 cs, Crispin, Para
TONKA BEANS—80 bbls, Machado & Co, Sonnavind, Para
43 bbls, Irving Trust Co, Sonnavind, Para
TRICHLORETHYLENE — 20 dms, Black Hawk, Rotterdam
TUCUM KERNELS — 677 bgs, Procter & Gamble, Crispin, Para
URANIUM OXIDE—100 dms, Central Trading Corp, Henri Jaspar, Antwerp
VALONIA—371 bgs, Guaranty Trust Co, Extavia, Chanak
CUP—940 bgs, Extavia, Chanak
2,210 bgs, Extavia, Izmir
EXTRACT—625 bgs, International Product Corp, Exchester, Yera
VANADIUM—5,453 bgs, Vanadium Corp, Santa Barbara, Mollendo
VANILLA BEANS—23 cs, Irving Trust Co, President Roosevelt, Hamburg
VARNISH—1 cs, B F Drakenfeld & Co, Scythia, Liverpool
VIOLET MINERAL, POWD—10 cks, E I du Pont de Nemours Co, Nieuw Amsterdam, Rotterdam
WATER, MINERAL — 1,046 cs, C Van der Bruck, Noordam, Rotterdam
WAX, BEES—5 bgs, D Steengrafe, Emilia, San Juan
10 bgs, Schutte & Focke, Borinquen, Trujillo
57 bgs, Royal Bank of Canada, San Jacinto, Barahona
24 bgs, Recio & Co, San Jacinto, Azua
19 bgs, Mecke & Co, San Jacinto, Azua
26 bgs, Orizaba, Havana
4 seroons, Porcella, Vicini & Co, Almena, Trujillo
25 seroons, Porcella, Vicini & Co, Almena, Puerto Plata
CANDELILLA—796 bls, M A Argueso & Co, Panuco, Tampico
CARNAUBA—3 pkgs, O H Barnett, Crispin, Parnahyba
3 pkgs, S P Drummond, Jr, Crispin, Parnahyba
404 bgs, Strohmeyer & Arpe Co, Crispin, Ceara
56 bgs, Lenape Trading Co, Crispin, Ceara
31 bgs, S C Johnson & Son, Crispin, Ceara
45 bgs, Crispin, Ceara
112 bgs, S C Johnson & Son, Crispin, Camocim
56 bgs, W R Grace & Co, Crispin, Camocim
588 bgs, Strohmeyer & Arpe Co, Crispin, Camocim
125 bgs, Bank of London-South America, Crispin, Camocim
75 bgs, W M Allison & Co, Crispin, Camocim
251 bgs, Strahl & Pitsch, Crispin, Camocim
250 bgs, Innis, Speiden & Co, Crispin, Camocim
317 bgs, National City Bank, Crispin, Camocim
72 bgs, Strahl & Pitsch, Marpesia, Bahia
28 bgs, Strahl & Pitsch, Sonnavind, Ceara
112 bgs, Innis, Speiden & Co, Sonnavind, Ceara
168 bgs, Sonnavind, Ceara
OZOKERITE—52 bgs, Hamburg, Hamburg
VEGETABLE—100 cs, McKesson & Robbins, San Yo, Kobe
3 bgs, Bank of London-South America, Eastern Prince, Bahia
WHITING—500 bgs, C B Chrystal & Co, Henri Jaspar, Antwerp
1,000 bgs, Henri Jaspar, Antwerp
WOODFLOUR—800 bgs, Burnet Co, Southlure, Kotka
YEAST—175 bls, Hamburg, Hamburg
1 keg, Compressed Yeast Corp, Hamburg, Hamburg
ZINC CHLORIDE—52 dms, Penniand, Antwerp
DUST—50 bbls, 23,980 lbs, Vigilant, Gdynia
OXIDE—50 bbls, Innis, Speiden & Co, Henri Jaspar, Antwerp

New York Transit Imports

CAMPHOR, CRUDE—500 cs, Eastman Kodak Co, Keiyo, Keelung, Rochester
CARAWAY SEED—150 bgs, 16,500 lbs, Nieuw Amsterdam, Rotterdam, Chicago
100 bgs, 11,000 lbs, Nieuw Amsterdam, Rotterdam, Milwaukee
150 bgs, 16,500 lbs, Noordam, Rotterdam, Cleveland
CARAWAY SEED—450 bgs, 49,500 lbs, Noordam, Rotterdam, Chicago
CORIANDER SEED—200 bgs, D G Evans Coffee Co, Exchester, Casablanca, St Louis
DIACETYL—2 cyls, Nieuw Amsterdam, Rotterdam, Buffalo
GELATIN SHEETS—84 cs, J J Murphy & Co, Black Hawk, Rotterdam, Rochester
ISINGLASS—5 cs, Reichel Kerfman Co, Georgic, London, Milwaukee
MENTHOL—25 cs, McKesson & Robbins, San Yo, Kobe, Bridgeport
OIL, CAMPHOR—5 dms, Norda, Ltd, Skjelbred, Yokohama, Toronto
EUCALYPTUS—5 dms, W J Bush & Co, Port Montreal, Melbourne, Montreal
9 cs, 1 dm, Laurentian Lab, Port Montreal, Melbourne, Montreal
10 cs, Port Montreal, Melbourne, Montreal
PAPAIN—150 cs, American Ferment Co, City of Khios, Colombo, Buffalo
POPPYSEED—500 bgs, 55,000 lbs, Nieuw Amsterdam, Rotterdam, Chicago
200 bgs, 22,000 lbs, Nieuw Amsterdam, Rotterdam, Milwaukee
500 bgs, 55,000 lbs, Noordam, Rotterdam, Chicago
150 bgs, 16,500 lbs, Noordam, Rotterdam, Cleveland
PYRETHRUM FLOWERS—250 bls, Lusk Shipping Co, Skjelbred, Kobe, Freeport
RAPESEED—165 bgs, Noordam, Rotterdam, Chicago
SPONGES—4 bls, Oriente, Havana, Geneva
15 bls, Orizaba, Havana, Lyon
REFUSE—1 bl, Oriente, Havana, Geneva
STARCH, POTATO—50 bgs, Noordam, Rotterdam, Milwaukee

Baltimore Imports

ALUMINUM BRONZE POWDER—18 cs, National Car Loading Co, Liberty, Hamburg
BARIUM, HYDRATE—20 csks, Liberty, Hamburg
CHEMICALS—21 csks, Balto & Ohio R R Co, Liberty, Hamburg
20 csks, Black Tern, Antwerp
CHROME ORE—405 tons, Robin Gray, Lourenco Marques
1,100 tons, Robin Gray, Beira
GREASE, WOOL, RAW—17 bbls, Quaker City, Liverpool
IRON ORE—7,391 tons, Bethlehem Steel Co, Anhalt, Whyalla
6,644 tons, Bethlehem Steel Co, Erlangen, Whyalla
5,003 tons, Bethlehem Steel Co, Potter, Whyalla
10,500 tons, Bethlehem Steel Co, Cubore, Daieniri
LIVERMEAL—500 bgs, Erlangen, Brisbane
OIL, FUEL—48,000 bbls, Standard Oil Co, N J, F Q Barstow, Aruba
LUBRICATING—75 dms, Black Tern, Antwerp
WHITE—20 dms, Black Tern, Antwerp
PEATMOSS—300 bls, Liberty, Hamburg
PETROLEUM, CRUDE—50,000 bbls, Standard Oil Co N J, F O Barstow, Aruba
POTASH, CHLORATE—50 dms, Black Tern, Antwerp
PYRITES—7,900 tons, Antione, Huelva
SEAWEED, DRIED—20 bgs, Quaker City, Liverpool
SODA NITRATE—7,965 bgs, 1,691 tons, Leila, Tocopilla
TALLOW—218 dms, Erlangen, Melbourne

Boston Imports

ACID, CRESYLIC—50 dms, 11 tons, 6 cwts, 1 qtr, 17 lbs, Scythia, Liverpool
AMMONIA, CARBONATE—5 cs, United Drug Co, Transylvania, Glasgow
CARAWAY SEED—250 double bgs, 33,600 lbs, Balfour, Guthrie & Co, Coldbrook, Buenos Aires
CASEIN—17 bgs, 2,250 lbs, Coldbrook, Buenos Aires
CHEMICALS— 28 csks, Schofield-Donald Co, Transylvania, Glasgow
500 double bgs, 111,112 lbs, Konigsberg, Hamburg
40 bbls, 35 dms, Konigsberg, Bremen
100 csks, 12,680 lbs, Excalibur, Genoa
COCOA BEANS—3,000 bgs, 396,828 lbs, Wood & Selick, Marpesia, Bahia
8,000 bgs, 1,058,208 lbs, Wessels, Kulenkampff & Co, Marpesia, Bahia
COCONUT, DESIC—200 cs, Tai Yin, Davao
700 cs, A H Morse & Co, Tai Yin, Manila
15 cs, Dodwell & Co, Tai Yin, Manila
COLLODIUN EMULSION—12 cs, 2,407 lbs, American Express Co, Konigsberg, Hamburg
COLOR, POTTERS'—2 csks, Scythia, Liverpool
FISH, MEAL—1,620 bgs, Bradley & Baker, Letty C, Canso, N S
GLUESTOCK, FISH—70 bxs, 4 pkgs, J R Poole Co, Yarmouth, Yarmouth
16 bbls, R H Ranagan, Yarmouth, Yarmouth
GRAPHITE—500 bgs, N Y Trust Co, City of Khios, Colombo
GOLDTHREAD—3 bgs, S B Penick & Co, Yarmouth, Yarmouth
GUM, ARABIC—250 bgs, 56,217 lbs, American Cyanamid & Chemical Corp, City of Florence, Port Sudan
200 bgs, 44,974 lbs, Innis, Speiden & Co, City of Florence, Port Sudan
300 bgs, 67,240 lbs, McKesson & Robbins, City of Florence, Port Sudan
150 bgs, 33,730 lbs, France, Campbell & Darling, City of Florence, Port Sudan
100 bgs, 22,487 lbs, City of Khios, Port Sudan
100 bgs, 22,487 lbs, Eidsvold, Port Sudan
INDUSTRIAL—50 cks, 25 bgs, 13 tons, 13 cwts, 4 qtrs, 20 lbs, J P Marston & Co, Scythia, Liverpool
YACCA—153 bgs, 22,950 lbs City of Florence Port Sudan
GYPSUM—4,000 tons, U S Gypsum Co, Gypsum Queen, Windsor, N S
MACE—15 cs, Barclay's Bank, Lady Drake, Georgetown, B G
MEDICINAL PREPS—2 cs, Quong Wah Lung, Tai Yin, Hongkong
8 cs, Tung Hing Lung, Tai Yin, Hongkong
2 cs, Sun Lee Chong, Tai Yin, Hongkong
1 cs, Sun Wah Co, Tai Yin, Hongkong
MICA SPLITTINGS—60 cs, Gillespie-Rogers-Pyatt Co, City of Khios, Calcutta
MUSTARD SEED—200 bgs, 22,398 lbs, Koenigsberg, Hamburg
OCHER—150 bgs, 7,672 lbs, Excalibur, Marseilles
120 bgs, 8 csks, 10,967 lbs, Reichard Coulston, Excalibur, Marseilles
OIL, CODLIVER—84 dms, 53 bbls, 65,256 lbs, from Germany
FUEL—24,000 bbls, 1,008,000 gls, Colonial Beacon Oil Co, I C White, Aruba
MINERAL—50 dms, 23,321 lbs, Kuhne-Libby Co, Koenigsberg, Hamburg
OLIVE—210 cs, 34,140 lbs, Excalibur, Genoa
PEANUT—30 cs, Tung Hing Lung, Tai Yin, Hongkong
SPERM—375 bbls, 70 dms, Transylvania, Glasgow
PEATMOSS—500 bls, 71,495 lbs, L E Page, Waukegan, Bremen
1,205 bls, Koenigsberg, Bremen
PETROLEUM, CRUDE—48,523 bbls, 7,280 tons, Colonial Beacon Oil Co, I C White, Las Piedras

POTASH, MURIATE—302,030 lbs, N V Potash Export My, Koenigsberg, Bremen
PUMICE—200 bgs, Charles B Chrystal Co, Giulia, Canneto Lipari
100 bgs, Giulia, Canneto Lipari
850 bgs, James H Rhodes & Co, Clara, Canneto Lipari
QUEBRACHO EXTRACT—3,561 bgs, 390,037 lbs, American Tanners, Coldbrook, Buenos Aires
500 bgs, 28,636 lbs, International Products Corp, Coldbrook, Buenos Aires
1,979 bgs, 207,241 lbs, Tannin Corp, Coldbrook, Buenos Aires
SESAME SEED—5 bdls, Quong Wah Lung, Tai Yin, Hongkong
2 cs, China Trading Co, Tai Yin, Hongkong
SHELLAC, SEEDLAC—300 bgs, City of Khios, Calcutta
SOAP—40 cs, 1,446 lbs, Conti Products Co, Excalibur, Leghorn
TOILET PREPS—40 cs, T D Downing Co, Scythia, Liverpool
1 cs, Lever Bros, Scythia, Liverpool
TALC—100 bgs, 22,046 lbs, L A Salomon & Bros, Excalibur, Marseilles
100 bgs, 22,046 lbs, Whittaker, Clark & Daniels, Excalibur, Marseilles
TANKAGE—2,787 bgs, 310,237 lbs, Coldbrook, Buenos Aires
TARTAR, CREAM—200 csks, 24,879 lbs, Excalibur, Genoa
RAW — 37 bgs, 11,356 lbs, First National Bank, Excalibur, Marseilles
WOOD PRESERVATIVE—20 dms, 1 ton, 2 cwt, 16 lbs, Cuprinol, Inc, Scythia, Liverpool
ZINC, OXIDE—10 csks, 2,690 lbs, Stone & Downer, Excalibur, Marseilles

Galveston Imports

POTASH ETHYL XANTHATE — 98 dms, Chemnitz, Antwerp

Gloucester Imports

OIL, COD—11 bbls, C Mattlage & Son, Tagati, North Head, N B

Houston Imports

ACID, CRESYLIC—29 dms, Augvald, Antwerp
CHEMICALS—120 bbls, Burgerdijk, Rotterdam
COCONUTS—794 bgs, Stella Lykes, Ponce
COPPERAS—507 tons, Burgerdijk, Antwerp
MUSTARD—21 cs, 5 dms, Augvald, Antwerp
PEATMOSS—600 bls, Burgerdijk, Rotterdam
PETROLEUM, CRUDE—35,707 bbls, R W McIlvain, Tuxpam
93,000 bbls, Pericles, Tuxpam
POTASH KAINIT—900 tons, Burgerdijk, Antwerp
MANURE, SALT—471 tons, Burgerdijk, Antwerp
MURIATE—182 tons, Burgerdijk, Antwerp
TALC—1,000 bgs, Monbaldo, Genoa
WHITING—3,000 bgs, Burgerdijk, Antwerp

Los Angeles Imports

AGAR AGAR—400 lbs, Tasmania, Kobe
ANISE—2,240 lbs, Oregon, Port Said
ANTIMONY ORE—60,000 lbs, from Mexico
BONE MEAL—544 bgs, 56,000 lbs, Rialto, Brussels
CHEMICAL—800 lbs, Sanyo, Yokohama
SALT—31 pkgs, 22,360 lbs, Weser, Frankfort
CHROMITE ORE—661,390 lbs, Dagmar, Manila
COCONUTS—350 bgs, 49,000 lbs, San Angelo, Colon
50 bgs, 7,000 lbs, Oregon, Panama
150 bgs, 21,000 lbs, Europa, Kingston
COCONUT, DESIC—431,060 lbs, Dagmar, Salen, Manila
425 cs, 62,300 lbs, Silverguava, Manila
COPRA—1,176,000 lbs, Dagmar Salen, Phil Isl
MEAL—24,160 bgs, 2,416,000 lbs, Dagmar Salen, Manila
CRAYON'S, CHARCOAL—130 lbs, Oregon, Paris
CUMIN SEED—200 bgs, 22,400 lbs, Oregon, Nicosia
300 bgs, 33,600 lbs, Oregon, Port Said
FERTILIZER, COMP—1,000 bgs, 100,000 lbs, Kosin, Kobe
FISH LIVERS, FROZEN—570 pkgs, 22,800 lbs, Kunikawa, Japan
GLASS, SHEET—17 cs, 24,220 lbs, Weser, Prague
GYPSUM, CRUDE—7,526,000 lbs, Griffco, San Marcos
HEMPSEED MEAL—5,880 bgs, 588,000 lbs, Tasmania, Kobe
IRON OXIDE—4,410 lbs, Weser, Cologne
MARMITE EXTRACT—2,240 lbs, Drechtdijk, London
NUTMEGS—4,000 lbs, West Ivis, Grenada
4,000 lbs, from Grenada
OIL, CREOSOTE—3,497,060 lbs, Svenor, London
1,452,940 lbs, Svenor, Amsterdam
MINERAL—25 dms, 12,600 lbs, from Antwerp
OLIVE—25 cs, 2,840 lbs, Rialto, Genoa
25 dms, 11,430 lbs, from Athens
100 cs, 10,440 lbs, Rialto, Leghorn
TEASEED—771,120 lbs, Dagmar Salen, Hongkong
PERFUMERY—10 lbs, from Paris
POTASH, PRUSSIATE — 30 pkgs, 3,310 lbs, Weser, Berlin
QUEBRACHO EXTRACT—400 bgs, 42,250 lbs, West Ivis, Buenos Aires
RESIN VINYL—1,000 lbs, from Montreal
SHELLAC—150 bgs, 24,600 lbs, Silverguava, Calcutta
SEEDLAC—300 bgs, 49,200 lbs, Silverguava, Calcutta
SILVERSAND—560,000 lbs, Oregon, Antwerp
SODA, CHLORATE—1,300 dms, 130,000 lbs, Oregon, Paris
TALC—500 bgs, 110,230 lbs, Rialto, Turin
TOILET PREPS—20 lbs, from Paris
TUNGSTEN, POWD—10 dms, 2,240 lbs, Parthenia, Liverpool
URANIUM NITRATE—280 lbs, Oregon, Brussels
WATER, MINERAL—14,280 lbs, Oregon, Lyon
3,360 lbs, Rialto, Marseilles
ZINC OXIDE—4,410 lbs, Rialto, Marseilles

New Orleans Imports

BAUXITE ORE—2,720 tons, Aluminum Ore Co, Sorvangen, Paramaribo
CHEMICALS—25 dms, City of Omaha, Antwerp
167 csks, 50 cs, Syros, Rotterdam
COCONUTS—880 sx, Standard Fruit & S S Co, Cefalu, Ceiba
160 sx, J Monton, Gansfjord, Kingston
600 sx, Universal Import & Export Co, Gansfjord, Kingston
4 sx, Fruit Dispatch Co, Gansfjord, Belize
2,000 sx, W Gordon, Gansfjord, Belize
150 sx, Goodman & Beer, Gansfjord, Belize
400 sx, L Hayward, Gansfjord, Belize
680 sx, W R Grace & Co, Gansfjord, Belize
400 sx, Adler Export Co, Gansfjord, Belize
300 sx, Fruit Dispatch Co, Santa Marta, Puerto Cortez
GINGER IN SYRUP—60 cs, Famous Barr Co, Toloa, Cristobal
GUM CHICLE—24 bls, Chicle Development Co, Gansfjord, Belize
MAGNESIA CARBONATE—100 sx, Colorado Springs, Liverpool
CHLORIDE—20 dms, Colorado Springs, Liverpool
MUSTARD SEED—7 sx, H Hastings Co, City of Omaha, Rotterdam
OIL, CHINAWOOD—1,270 tons, National City Bank, Taybank, Hongkong
LINSEED—30 dms, City of Omaha, Rotterdam
PEANUT—643 tons, Mitsui & Co, Keiyo, Tsingtao
PEPPER, BLACK—825 sx, Taybank, Oosthaven
SAGO FLOUR—362 sx, Taybank, Singapore
SALT—300 sx, Federal Barge Line, Colorado Springs, Liverpool
SHEEP DIP—25 dms, City of Omaha, Rotterdam

Norfolk Imports

AMMONIA PHOSPHATE—454 bgs, 44 tons, Ashcraft Wilkinson Co, Atlanta, Ga, Black Condor, Antwerp
CHEMICALS—25 dms, 3 tons, Black Condor, Antwerp
100 dmjhns, 7,052 lbs, Black Condor, Rotterdam
COLORS, EARTH—8 csks, Norton & Ellis, Norfolk, Black Condor, Rotterdam
STARCH, CHEMICALLY TREATED—100 bgs, 4,500 lbs, of H D Meinoke, Chicago, Black Condor, Rotterdam

Philadelphia Imports

ABRASIVES, ARTIFICIAL—227 csks, Abrasive Co, Liberty, Havre
ACID, CRESYLIC—89 dms, Wm E Jordan & Bros, Quaker City, Liverpool
75 dms, Manchester Exporter, Manchester
403 dms, John H Faunce, Manchester Exporter, Manchester
NUT OIL—60 bbls, Black Osprey, Rotterdam
SOYBEAN OIL—80 dms, Halfmoon Trading & Mfg Co, Black Osprey, Rotterdam
AMMONIA CARBONATE—35 csks, Harshaw Chemical Co, Quaker City, Glasgow
BONE FERTILIZER — 300 bgs, Fernlane, Alexandria (Hollinghurst & Co)
BOG ORE—1,046,069 kilos, Liberty, Hamburg
BRONZE POWDER—6 dms, Liberty, Hamburg
CARAWAY SEED — 100 bgs, Black Osprey, Rotterdam
CHEMICALS — 100 demijohns, Black Osprey, Rotterdam
77 bgs, Sterling Supply Co, Black Osprey, Rotterdam
145 dms, Advance Solvents & Chemical Co, Black Osprey, Rotterdam
400 bgs, Industrial Sales Corp, Black Osprey, Antwerp
20 csks, Chemical Marketing Co, Black Osprey, Antwerp
CHINA, CLAY—609 tons, 17 cwt, Moore & Munger, Ingertre, Fowey
445 tons, 19 cwt, 2,050 bgs, 25 csks, English China Clay Sales Corp, Ingertre, Fowey
196 tons, 7 cwt, 1,343 bgs, 10 csks, John W Higman Co, Ingertre, Fowey
1,171 tons, 7 cwt, 2 bxs, samples, Paper Makers Importing Co, Ingertre, Fowey
CLAY—110 tons, Moore & Munger, Montreal City, Bristol
BALL—140 tons, John W Higman & Co, Ingertre, Fowey
329 tons, 18 cwt, Paper Makers Importing Co, Ingertre, Fowey
BLUE—200 tons, Moore & Munger, Ingertre, Fowey
75 tons, Montreal City, Bristol
170 tons, United Clay Mines, Montreal City, Bristol
COCOA BEANS—5,500 bgs, Parnahyba, Bahia
RESIDUE—300 bgs, Woodward & Dickerson, Black Osprey, Rotterdam
COALTAR, DISTILLATE—10 dms, Monsanto Chemical Co, Manchester Exporter, Manchester
COLORS, EARTH—80 bgs, R T French Co, Black Osprey, Antwerp
RED EARTH — 222 dms, Theo H Deutz, Black Osprey, Rotterdam
CORNWALL STONE, GRD—301 tons, 3 cwt, John W Higman & Co, Ingertre, Fowey
CRYOLITE—3,050 tons, Penna Salt Mfg Co, Felix, Ivigtut
FLINT STONES — 72 cs, Buebendorf Bros, Black Osprey, Antwerp
GELATIN, POWD — 103 bbls, International Selling Corp, Black Osprey, Antwerp
GLASS, SHEET—6 cs, Arthur H Thomas Co, Liebert, London
GLYCERIN—30 dms, A L Burbank & Co, Fernlane, Genoa
GUM, COPAL—60 bskts, Philadelphia National Bank, Chinese Prince, Banda via Macassar
SIFTINGS—60 bgs, J Meyer & Sons, Black Osprey, Antwerp
DAMMAR — 210 bgs, Guaranty Trust Co, Chinese Prince, Singapore
25 cs, Bank of Manhattan, Chinese Prince, Singapore
HOPS—126 bls, Liberty, Hamburg
LICORICE ROOT—2,867 bls, Fernlane, Izmir
MACE — 19 cs, Chinese Prince, Banda via Macassar
MANGANESE—35 cs, International Selling Corp, Liberty, Havre
MUSTARD DROSS—300 bgs, Manchester Exporter, Manchester
MYROBALANS—10,000 pkts, Maidan, Calcutta
NUTMEGS—92 bgs, Chinese Prince, Banda, via Macassar
OIL, CODLIVER—125 dms, 125 bbls, Amer Scantic Line, Scanpenn, Copenhagen
275 dms, Allen Forwarding Co, Scanpenn, Copenhagen
25 dms, Dichmann, Wright & Pugh, Inc, Black Osprey, Rotterdam
CORN—76,965 kilos, Black Osprey, Antwerp
LUBRICATING—40 dms, Black Osprey, Antwerp
65 dms, Webbal Service Co, Black Osprey, Antwerp
OLIVE—450 cs, Fernlane, Leghorn
OSSEIN—312 bgs, Black Eagle, Antwerp
PEPPER, BLACK—1,032 bgs, Catz Amer Co, Chinese Prince, Batavia
WHITE—258 bgs, Catz Amer Co, Chinese Prince, Batavia
PETROLEUM, CRUDE—110,374 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
95,014 bbls, 3 cans, samples, Gulf Oil Corp, Gulfcrest, Las Piedras
POPPYSEED—300 bgs, R T French Co, Scanpenn, Gdynia
600 bgs, Wm G Scarlett & Co, Scanpenn, Gdynia
100 bgs, Black Osprey, Rotterdam
PYRITES ORE—8,740 tons, Deebank, Huelva
ROSIN, LIQUID—6 bbls, Rimberg Co, Nordvard, Soderhamn
SODA, SILICOFLUORIDE—600 bgs, Harshaw Chemical Co, Scanpenn, Copenhagen
STARCH, POTATO—250 bgs, Stein, Hall & Co, Black Osprey, Rotterdam
STRONTIA—55 tons, Montreal City, Bristol
TALLOIL—146 bbls, Nordvard, Soderhamn
TAPIOCA FLOUR—1,050 bgs, Prometheus, Cheribon
250 bgs, Prometheus, Batavia
TUNGSTEN SCRAP—4 csks, Quaker City, Liverpool
UMBER, BURNT POWD—18 csks, Chase National Bank, Maidan, Port Said
30 csks, Ventral Penn National Bank, Maidan, Port Said
VALONEA EXTRACT—248 bgs, Fernlane, Izmir
VANDYKE CRYSTALS—8 cs, Koons, Wilson & Co, Manchester Exporter, Manchester
ZIRCONIUM NITRATE—1 crate, Foote Mineral Co, Liberty, Hamburg

Portland, Ore., Imports

COPRA—315 tons, Durkee Famous Foods, Sydland, Iloilo
500 tons, Sydland, Tabaco
120 tons, Durkee Famous Foods, Sydland, Cebu
500 tons, Sydland, Cebu
500 tons, Sydland, Tacloban
PEANUT MEAL—1,000 sks, Mitsubishi Shoji Kaisha, Nanman, Nagoya
PEANUTS, SHELLED — 250 sks, Balfour, Guthrie & Co, Nanman, Manila
PEATMOSS—250 bls, Peat Import Corpn, Vancouver, Bremen
SILVERSAND—200 tons, Balfour, Guthrie & Co, Wisconsin, Antwerp
SODA CHLORATE—1,000 dms, International Selling Corpn, Wisconsin, Havre
1,000 dms, W J Byrnes & Co, Vancouver, Hamburg
WHITING—1,120 sks, Wisconsin, Antwerp
BOLTED—310 sks, Amerika, Copenhagen

San Francisco Imports

ACID, CRESYLIC—60 dms, American Cyanamid & Chemical Corpn, Pacific Shipper, Manchester
ALCOHOL, ETHYL—100 dms, Maliko, Honolulu
AMMONIA PHOSPHATE—454 sks, National City Bank of N Y, Benjamin Franklin, Antwerp (for Oakland)
BONE MEAL—560 sks, Benjamin Franklin, Antwerp
PHOSPHATE—1,542 sks, Benjamin Franklin, Antwerp
BRISTLES—17 cs, H Cone & Co, Tasmania, Kobe
CARAWAY SEED—75 sks, McClintock-Stern Co, Drechtdijk, Rotterdam
CASSIA—100 bls, S H Tyler & Son, Roseville, Hongkong
100 bls, D Hecht & Co, Roseville, Hongkong
75 bls, McClintock-Stern Co, Roseville, Hongkong
100 bls S L Jones & Co, Roseville, Hongkong
CHALK, PRECIP—67 sks, H J Baker & Bro, Pacific Shipper, Manchester
CHEMICALS—38 csks, Advance Solvents & Chemical Corpn, Benjamin Franklin, Oslo
13 csks, Drechtdijk, Rotterdam
CHINA CLAY—250 sks, Balfour, Guthrie & Co, Drechtdijk, Rotterdam
CINNAMON QUILLS—200 bls, D Hecht & Co, Roseville, Hongkong
COCONUT, DESIC—100 cs, M S Cowen Co, Modjokerto, Manila
100 cs, Philippine Desiccated Coconut Corpn, Roseville, Zamboanga
COLORS, WATER—1 cs, Kunikawa, Yokohama
COPRA—1,320 tons, El Dorado Oil Works, Anglo Peruvian, Zamboanga (for Oakland)
80 tons, Durkee Famous Foods, Anglo Peruvian, Cebu (for Oakland)
697 tons, El Dorado Oil Works, Anglo Peruvian, Jolo (for Oakland)
200 tons, El Dorado Oil Works, Anglo Peruvian, Cagayan (for Oakland)
200 tons, El Dorado Oil Works, Anglo Peruvian, Dumaguete (for Oakland)
300 tons, Berkeley Oil & Meal Co, Anglo Peruvian, Dumaguete (for Oakland)
1,200 tons, El Dorado Oil Works, Anglo Peruvian, Cebu (for Oakland)
1,168 tons, El Dorado Oil Works, Anglo Peruvian, Catanauan (for Oakland)
FERTILIZER—500 bgs, National City Bank of N Y, Benjamin Franklin, Antwerp (for Oakland)
GINGER ROOT—70 pkgs, Roseville, Hongkong
25 cs, Maliko, Hilo
GLASS, FIGURED—3 cs, Benjamin Franklin, Antwerp (for Oakland)
WINDOW—16 cs, Benjamin Franklin, Antwerp
10 cs, Benjamin Franklin, Antwerp (for Oakland)
GUM CHIPS—12 bskts, H M Newhall & Co, Modjokerto, Macassar
COPAL—295 bskts, Henry W Peabody & Co, Modjokerto, Macassar
297 bskts, Modjokerto, Macassar
DAMMAR—35 cs, Bank of California, N A, Modjokerto, Batavia
INK—10 cs, Fung Chong, Roseville, Hongkong
LINSEED MEAL—2,372 sks, S L Jones & Co, Skjelbred, Tientsin
MACE—40 cs, B C Ireland, Modjokerto, Macassar
MEDICINAL PREPS—3 cs, S Ishimitsu Co, Tasmania, Kobe
1 cs, Tung Kee, Roseville, Hongkong
3 cs, Fung Chong, Roseville, Hongkong
42 pkgs, Chun Wo Tong, Roseville, Hongkong
1 cs, Ying Fat Loong, Roseville, Hongkong
3 cs, Hip Hing, Roseville, Hongkong
56 pkgs, Fong Poy, Roseville, Hongkong
MOLASSES—500 tons, Mana, Mahukona
1,000 tons, Maliko, Port Allen
OIL, CHINAWOOD—55 dms, Pacific Vegetable Oil Corp, Roseville, Hongkong
500 tons, Werner G Smith Co, Roseville, Hongkong
500 tons, Roseville, Hongkong
CITRONELLA—5 dms, Modjokerto, Batavia
CODLIVER—50 dms, Fred Olsen Line Agency, Benjamin Franklin, Oslo
60 dms, Fred Olsen Line Agency, Benjamin Franklin, Oslo (for Oakland)
FISH, HARDENED—600 sks, Willits & Co, Skjelbred, Kobe
OLIVE—100 dms, A Giurlani & Bros, Drechtdijk, Rotterdam
PALM—100 tons, Banque Belge pour l'Etranger, Roseville, Asahan
PEANUT—180 cs, Kwong Kee Chan, Roseville, Hongkong
55 cs, Ying Fat Loong, Roseville, Hongkong
RAPESEED, CRUDE—200 dms, Mitsui & Co, Kunikawa, Yokohama
RAPESEED, REFD—100 dms, Mitsui & Co, Kunikawa, Yokohama
PALMKERNELS — 1,270 sks, Modjokerto, Asahan
PARAFFIN—400 sks, Shell Oil Co, Modjokerto, Balikpapan
PEANUT MEAL—3,000 sks, Durkee Famous Foods, Tasmania, Tsingtao
PEATMOSS—1,290 bls, Wilson & George Meyer & Co, Benjamin Franklin, Oslo
PEPPER, BLACK—384 sks, Modjokerto, Oosthaven
688 sks, B C Ireland, Roseville, Oosthaven
PIMENTO—100 sks, Barclays Bank, Drechtdijk, Kingston
RAPESEED—470 sks, Taylor Milling Corp, Skjelbred, Nagoya
125 sks, Skjelbred, Nagoya
375 sks, C M Volkman & Co, Skjelbred, Nagoya
SESAME SEED—100 sks, S L Jones & Co, Roseville, Hongkong
TAPIOCA FLOUR—291 sks, Guaranty Trust Co of N Y, Modjokerto, Cheribon
850 sks, Guaranty Trust Co of N J, Modjokerto, Batavia
30 sks, order, Modjokerto, Batavia
466 sks, Modjokerto, Cheribon
ROOTS, GRD—508 sks, Balfour, Guthrie & Co, Roseville, Samarang
TOILET PREPS—1 cs, S Ishimitsu Co, Tasmania, Kobe
3 cs, Mutual Supply Co, Tasmania, Kobe
1 cs, Hosoda Bros, Kunikawa, Yokohama
WOODFLOUR—350 sks, The Burnet Co, Benjamin Franklin, Oslo (for Oakland)

Savannah Imports

CHEMICALS—403 dms, Sundance, Antwerp
CLAY BLUE—440 bgs, Sundance, Rotterdam
OIL CREOSOTE—436 tons, Oljaren, Selzaete
POTASH, KAINIT—1,456,200 kilos, Nevada, Antwerp
MURIATE—618,900 kilos, Nevada, Antwerp
SULPHATE—4,750 bgs, Nevada, Antwerp
SODA NITRATE—4,690,300 kilos, Ferncliffe, Iquique
TAPIOCA FLOUR—2,000 bgs, Singkep, Cheribon

Seattle Imports

CHALK—1,000 sks, San Francisco, Antwerp
CHEMICALS—20 dms, Vancouver, Hamburg
GUM CHIPS—28 bskts, H M Newhall & Co, Modjokerto, Macassar
PEANUTS, SHELLED — 300 sks, Balfour, Guthrie & Co, Modjokerto, Manila
SILVERSAND—200 tons, Balfour, Guthrie & Co, Wisconsin, Antwerp
WHITING—1,120 sks, Wisconsin, Antwerp

Tampa Imports

COCONUTS—5,000, Laguna, Belize
9,600, General Tosta, Belize
FERTILIZER—1,700 bgs, Blommersdijk, Antwerp
OIL, LUBRICATING — 3 dms, Austvangen, Paramaribo

Wilmington Imports

BARYTES—3,750 tons, E I duPont de Nemours & Co, Fernglen, Rotterdam

Exports from U.S. Ports

New York Exports

Clearance Dates

Amapala, October 22; American Farmer, October 21; American Merchant, October 14; Ancon, October 18; Anita, October 24; Batory, October 25; Belnor, October 27; Black Falcon, October 25; Borinquen, October 13; City of Eastbourne, October 22; Coamo, October 20; Cubano, October 22; Edam, October 21; Europa, October 21; Ewa, October 25; Examelia, October 20; Executive, October 27; Guayaquil, October 25; Hansa, October 26; Hanseat, October 21; Kahuku, October 15; Kinai, October 25; Laconia, October 20; Motatan, October 15; Oslofjord, October 19; Penrith Castle, October 13; Porto Rico, October 22; Santa Elena, October 20; Scanmail, October 21; Washington, October 18; Yomachichi, October 25

ACID, SULPHURIC—5,400 lbs, Porto Rico, San Juan; 2,600 lbs, Guayaquil, La Libertad
ALCOHOL, BUTYL—275 gls, Oslofjord, Oslo
ASPHALT—840 tons, Motatan, Costa Rica; 37,712 lbs, Oslofjord, Oslo; (Yomachichi) 1,114,960 lbs, Sydney; 1,482,800 lbs, Melbourne
LIQUID—56,167 lbs, American Farmer, London
SOLID—13,099 lbs, Washington, Hamburg; 144 tons, Motatan, El Salvador
BARK—26,752 lbs, Edam, Amsterdam
BLACK, BONE—12,960 lbs, American Merchant, London
BLUE, ULTRAMARINE—4,119 lbs, Amapala, Santiago
BROMINE, LIQUID — 12,172 lbs, Batory, Gdynia
BUTYL ACETATE—12,470 lbs, Scanmail, Helsingfors; (Oslofjord) 12,376 lbs, Bergen; 2,652 lbs, Oslo
CALCIUM CHLORIDE—35,080 lbs, Ewa, Honolulu
CHEMICALS—888 lbs, Edam, Rotterdam; 28,200 lbs, Scanmail, Stockholm; (Black Falcon) 1,570 lbs, Antwerp; 8,460 lbs, Rotterdam; 2,946 lbs, American Farmer, London
COALTAR INTERMEDIATES — 12,689 lbs, Washington, Havre
COBALT ORE—51,783 lbs, Kinai, Osaka
CORN FLOUR—(Penrith Castle) 42,300 lbs, Manila; 15,510 lbs, Iloilo
SYRUP—2,250 lbs, Penrith Castle, Manila; 7,340 lbs, Ewa, Honolulu; 20,553 lbs, Oslofjord, Trondhjem
DEXTRIN—4,560 lbs, American Farmer, London
DICHLORODIFLUOROMETHANE — 2,142 lbs, Washington, Hamburg
DRUGS—3,203 lbs, American Farmer, London; 3,771 lbs, American Merchant, London
DYES—(Black Falcon) 1,250 lbs, Rotterdam; 17,388 lbs, Antwerp
ETHYL ACETATE—17,593 lbs, Porto Rico, Ponce
FLOTATION REAGENT—3,080 gls, Yomachichi, Sydney
GASOLINE—(Motatan) 750 gls, Canal Zone; 6,300 gls, Costa Rica
GLASS, PLATE—36,146 lbs, Anita, Buenos Aires
GLUE—2,030 lbs, Coamo, San Juan
EMERY—2,425 lbs, Scanmail, Gothenburg
RUBBER—740 lbs, Scanmail, Hango
GREASE, ANIMAL—44,586 lbs, Black Falcon, Antwerp
LUBRICATING—26,141 lbs, Hansa, Hamburg; (Kinai) 44,957 lbs, Yokohama; 46,586 lbs, Osaka; 11,597 lbs, Dairen; 23,402 lbs, Kobe; 22,245 lbs, Penrith Castle, Manila; (Scanmail) 5,488 lbs, Copenhagen; 2,063 lbs, Malmo; 1,344 lbs, Stockholm; 11,034 lbs, Helsingfors; 6,758 lbs, Black Falcon, Antwerp; 17,552 lbs, American Farmer, London; 1,215 lbs, American Merchant, London; (Yomachichi) 10,880 lbs, Brisbane; 52,462 lbs, Sydney; 26,224 lbs, Melbourne; 5,012 lbs, Cubano, Santos; 73,051 lbs, Laconia, Liverpool; (City of Eastbourne) 86,225 lbs, Durban; 47,520 lbs, Lourenco Marques
GUM, TRAGACANTH—5,607 lbs, Hansa, Hamburg
HELIUM—132 lbs, American Merchant, London
INK, PRINTING—(Anita) 27,243 lbs, Santos; 86,039 lbs, Buenos Aires
IRON OXIDE—45,175 lbs, Laconia, Liverpool
KEROSENE—7,500 gls, Ancon, Port Prince

LACQUER—4,230 lbs, Black Falcon, Antwerp
THINNER—2,200 gls, Europa, Helsingfors
LARD—(Porto Rico) 13,855 lbs, San Juan; 19,750 lbs, Mayaguez; 11,850 lbs, Coamo, San Juan; (Scanmail) 34,465 lbs, Czechoslovakia; 6,150 lbs, Helsingfors; 9,225 lbs, Wiborg; 72,428 lbs, Black Falcon, Antwerp; 268,525 lbs, American Farmer, London; 130,000 lbs, Executive, Malta; 26,973 lbs, Laconia, Liverpool
LIME CITRATE—56,218 lbs, Batory, Gdynia
LINSEED CAKE—4,804,730 lbs, Black Falcon, Antwerp; 453,868 lbs, Laconia, Liverpool
LUBRICANTS—18,388 lbs, Edam, Rotterdam
MAGNESIA METAL—4,439 lbs, Hansa, Hamburg
METASILICATE—6,324 lbs, Scanmail, Gothenburg
MOLYDENUM, CONCE—(Hansa) 201,285 lbs, Hamburg; 749,914 lbs, Smyrna
OIL, CASTOR—1,150 gls, Penrith Castle, Manila
CORN—7,422 lbs, Porto Rico, San Juan
CYLINDER—1,720 tons, Hanseat, Germany
ESSENTIAL—1,675 lbs, American Farmer, London
LUBRICATING — (Washington) 4,245 gls, Hamburg; 1,465 gls, Riga; 5,880 gls, Havre; (Hansa) 25,490 gls, Hamburg; 5,040 gls, Prague; (Kinai) 17,240 gls, Yokohama; 2,890 gls, Kobe; (Penrith Castle) 14,775 gls, Manila; 100 gls, Hongkong; 7,150 gls, Amapala, Santiago; (Ancon) 11,275 gls, La Union; 2,530 gls, Acajutla; 2,750 gls, Santa Elena, Porto Cabello; 300 tons, Hanseat, Netherlands; (Edam) 5,040 gls, Rotterdam; 550 gls, Amsterdam; (Scanmail) 530 gls, Copenhagen; 2,630 gls, Stockholm; 1,260 gls, Batory, Gdynia; 8,455 gls, Black Falcon, Antwerp; 23,925 gls, American Farmer, London; (Oslofjord) 880 gls, Oslo; 2,475 gls, Trondhjem; 6,070 gls, Bergen; 10,100 gls, Oslo; 17,525 gls, American Merchant, London; (Examelia) 1,020 gls, Thessalonica; 23,100 gls, Constansa; (Executive) 23,935 gls, Piraeus; 550 gls, Thessalonica; 6,050 gls, Salonica; 445 gls, Bourgas; 9,000 gls, Bucharest; (Yomachichi) 34,045 gls, Brisbane; 2,970 gls, Townsville; 90,310 gls, Sydney; 62,700 gls, Melbourne; 9,570 gls, Adelaide; (Cubano) 11,000 gls, Rio de Janeiro; 16,630 gls, Santos; 1,512 gls, Rio Grande; 2,851 gls, Porto Alegre; 2,750 gls, Anita, Rio Janeiro; (Laconia) 1,375 gls, Karachi; 2,940 gls, Calcutta; 7,686 gls, Liverpool; 2,430 gls, Birkenhead; (City of Eastbourne) 2,475 gls, Capetown; 16,575 gls, Durban; 6,435 gls, Lourenco Marques
OLEO—1,561 lbs, Edam, Rotterdam; 7,105 lbs, Oslofjord, Bergen
PALE — (Hanseat) 205 tons, Netherlands; 3,325 tons, Germany
PEPPERMINT—806 lbs, Oslofjord, Oslo; 310 lbs, Black Falcon, Amsterdam; 8,790 lbs, American Merchant, London
PINE—2,385 lbs, Oslofjord, Stavanger
SPINDLE—365 tons, Hanseat, Germany
VALVE—1,065 tons, Hanseat, Germany
ORTHOSILICATE—10,626 lbs, Scanmail, Gothenburg
PAINT—16,100 lbs, Penrith Castle, Manila; (Porto Rico) 3,336 lbs, San Juan; 1,940 lbs, Mayaguez; 19,518 lbs, Coamo, San Juan; 2,046 lbs, American Farmer, London; 2,046 lbs, Oslofjord, Oslo; 2,000 lbs, Kahuku, Hilo
PARAFFIN—(Santa Elena) 44,631 lbs, Cartagena; 22,610 lbs, Porto Colombia; 10,658 lbs, Coamo, San Juan; 4,449 lbs, Guayaquil, San Juan; (Scanmail) 4,450 lbs, Gothenburg; 11,340 lbs, Copenhagen; 17,800 lbs, Stockholm; 468,800 lbs, Black Falcon, Antwerp; 226,201 lbs, American Farmer, London; (Oslofjord) 22,702 lbs, Trondhjem; 4,578 lbs, Oslo; 8,080 lbs, American Merchant, London; 240,186 lbs, Examelia, Malta; 21,923 lbs, Executive, Piraeus
REFINED—10,008 lbs, Motatan, Costa Rica; 40,886 lbs, Examelia, Bourgas
SCALE—60,545 lbs, Black Falcon, Antwerp; 61,002 lbs, Executive, Piraeus
PARAPHENETIDIN—8,364 lbs, Batory, Gdynia
PETROLEUM, REFD — (Motatan) 15,000 gls, Costa Rica; 13,266 gls, St George; 17,000 gls, Canal Zone
RESIN—21,198 lbs, American Farmer, London; 8,401 lbs, American Merchant, London
COALTAR—2,658 lbs, American Farmer, London
SYNTHETIC—11,013 lbs, Washington, Havre
ROSIN—(Edam) 1,934 lbs, Rotterdam; 1,345 lbs, Amsterdam; 4,847 lbs, American Merchant, London; 42,185 lbs, Yomachichi, Sydney; 5,942 lbs, Laconia, Liverpool
SOAP—78,000 lbs, Penrith Castle, Manila; (Porto Rico) 5,700 lbs, San Juan; 11,500 lbs, Ponce; 5,600 lbs, Mayaguez; 23,000 lbs, San Juan
LAUNDRY—90,000 lbs, Penrith Castle, Manila
TOILET—35,000 lbs, Oslofjord, Oslo
SODA, ASH—23,177 lbs, Ewa, Honolulu; 3,485 lbs, Coamo, San Juan; 655,400 lbs, Executive, Istanbul; 312,100 lbs, Cubano, Rio de Janeiro
BICARBONATE—22,610 lbs, Santa Elena, Porto Cabello
CAUSTIC—29,559 lbs, Ewa, Honolulu; 17,925 lbs, Porto Rico, Mayaguez; 36,000 lbs, Ancon, Mazatlan; 1,013,760 lbs, Belnor, Curacao; 480,175 lbs, Cubano, Buenos Aires
SILICATE—2,661 lbs, American Farmer, London
SOLVENTS—(Kinai) 2,805 gls, Yokohama; 8,800 gls, Kobe
STARCH—2,424 lbs, American Farmer, London
CORN—3,590 lbs, Coamo, Ciudad; (Oslofjord) 7,050 lbs, Trondhjem; 11,280 lbs, Bergen
STEARIN, PITCH—30,749 lbs, Hansa, Hamburg
TALC—4,488 lbs, Scanmail, Copenhagen
TITANIUM LITHOPONE—2,580 lbs, Scanmail, Stockholm; 21,500 lbs, American Merchant, London
TOILET PREPS—28,592 lbs, Edam, Amsterdam
TUNGSTEN ORE—226,713 lbs, Europa, Bremen
TURPENTINE—2,500 gls, Anita, Buenos Aires; (City of Eastbourne) 3,000 gls, Capetown; 1,500 gls, Port Elisabeth; 16,500 gls, Durban
VARNISH—2,440 lbs, American Farmer, London
WITCH HAZEL EXTRACT—4,910 lbs, Washington, Havre

Baltimore Exports

Clearance Dates

Argentino, November 1; Artigas, October 28; Binnendijk, October 26; Black Condor, October 30; Blankaholm, October 31; Chester, November 3; Erik Frisell, October 26; McKeesport, October 26; Parnahyba, November 2; Peter Kerr, October 31; Scanpenn, October 31; Selma City, November 1

ACID, CHROMIC—2,200 lbs, McKeesport, Hamburg
ASPHALT—67,104 lbs, Artigas, Manchester
SOLID—210,309 lbs, Artigas, Liverpool
CALCIUM ARSENATE—30,000 lbs, Peter Kerr, Peru
CLEANER—6,210 lbs, McKeesport, Seine
COALTAR INTERMEDIATES — 1,250 lbs, Artigas, Manchester
EPSOM SALT—10,080 lbs, Argentino, Buenos Aires
FELDSPAR—2,350 lbs, Artigas, Liverpool
FLINT—2,350 lbs, Artigas, Liverpool
GREASE, LUBRIC—35,595 lbs, McKeesport, Hamburg; 2,221 lbs, Scanpenn, Stockholm; (Peter Kerr) 2,075 lbs, Panama; 840 lbs, Colon; 38,500 lbs, Selma City, Basrah
INSECTICIDE—(Peter Kerr) 4,486 lbs, Colombia; 363 lbs, Honduras
LICORICE PASTE—108 lbs, Scanpenn, Copenhagen
OIL, FUEL—6 bbls, Selma City, Al Khobar, Saudi
MINERAL—5,400 gls, Artigas, Manchester
PARAFFIN—11,208 lbs, Artigas, Liverpool
POLISH, AUTO—495 lbs, McKeesport, Slough Bucks; 100 gls, Blankaholm, Stockholm
POTASH BICHROMATE—6,720 lbs, Black Condor, Calcutta; 44,320 lbs, Selma City, Alexandria
RUTILE—(Artigas) 11,200 lbs, Glasgow; 2,240 lbs, Liverpool
SASSAFRAS BARK—1,085 lbs, Black Condor, Antwerp
SELENIUM, POWD—2,204 lbs, McKeesport, Bombay
SODA, BICHROMATE—7,717 lbs, McKeesport, Memel; 44,800 lbs, Artigas, Manchester
CAUSTIC—448,000 lbs, Erik Frisell, Buenos Aires; 360,000 lbs, Parnahyba, Santos
STARCH, CORN—(Artigas) 61,600 lbs, Manchester; 800,800 lbs, Glasgow
SUPERPHOSPHATE—608 tons, Chester, Wallaceburg
TANKAGE—387 tons, Chester, Wallaceburg

Boston Exports

Clearance Dates

Binnendijk, November 1; Britannic, October 30; Gertrude Maersk, October 31; Marwarri, November 1; Mormactide, November 1; President Adams, November 1; Saturnia, November 6; Telde, November 1; West Cusseta, November 1; Yarmouth, November 2

ALUMINA OXIDE—569 bgs, and 54 kgs, 74,351 lbs, Marwarri, London
ANIMAL DIP—100 dms, 46,031 lbs, Gertrude Maersk, Manila
BLEACHING POWDER—1 ctn, 60 lbs, Telde, Fort Randolph, C Z
BLUE, LAUNDRY—1 cs, 60 lbs, Yarmouth, Halifax
CEMENT, CAN—4 dms, 1,954 lbs, Britannic, Bombay
CHEMICALS—2 dms, 24 lbs, Mormactide, Helsingborg, Sweden
CLAY—277 bbls, 33 tons, Marwarri, London
CLEANER—(Telde) 1 crt, 72 lbs, Panama; 4 crts, 286 lbs, Havana
DEXTRIN—60 bgs, 10,000 lbs, Telde, Havana
DIATOMACEOUS EARTH—498 bgs, 22,400 lbs, West Cusseta, Havre
DRESSING, BELT—1 cs, 55 lbs, Britannic, Bombay
LEATHER—8 cs, 680 lbs, President Adams, Manila
OILBOARD—1 cs, 45 lbs, President Adams, Manila
SHOE—5 cs, 213 lbs, Telde, Havana
FERTILIZER, LEATHER-SCRAP—104 bls, 60,885 lbs, Britannic, Bombay; 516 bls, 327,986 lbs, West Cusseta, Havre
FLUX—7 dms, 920 lbs, West Cusseta, Havre
GLUE—2 cs, 104 lbs, President Adams, Manila
GREASE, LUBRIC—6 ctns, 6 bbls, 1,968 lbs, Britannic, Liverpool
INK, MARKING—1 cs, 3 lbs, President Adams, Manila
WRITING—45 cs, President Adams, Manila
INVALID'S FOOD—20 cs, 428 lbs, Telde, Havana; 1 cs, 51 lbs, Saturnia, Gibraltar
LARD—900 bxs, and 150 trcs, 99,274 lbs, Britannic, Liverpool; 300 bxs, 8,400 lbs, Marwarri, London
MEDICINAL PREPS—165 bxs, 825 gls, Marwarri, London; 14 crtns, Telde, Havana; 2 crtns, 95 lbs, President Adams, Honolulu; 1 cs, 12 lbs, Britannic, Leicester
MOLASSES—15 bbls, 825 gls, Mormactide, Vejle; 3 cs, 180 lbs, West Cusseta, Paris
OCHER—4 bbls, 400 lbs, Telde, Havana
OIL, HEMLOCK—1 bx, 30 lbs, Mormactide, Helsingborg
PALM—3 dms, 2,030 lbs, Telde, Havana
PEPPERMINT—11 dms, 4,476 lbs, Marwarri, North Wembley
PASTE, ADHES—40 dms, 1,720 lbs, Marwarri, London; 1 cs, 20 lbs, West Cusseta, Havre; 4 cs, 889 lbs, President Adams, Manila
FLOUR, DRY—10 bbls, 2,850 lbs, Britannic, Leicester
POLISH, SHOE—(Telde) 37 crtns, 428 lbs, Panama; 1 cs, 42 lbs, Colon; 59 cs, and 5 crtns, 2,333 lbs, Havana
SILVER—6 crtns, 168 lbs, Yarmouth, Yarmouth
STOVE—55 cs, 1,968 lbs, Yarmouth, St John, N B
PUTTY—200 cns, 5,000 lbs, Telde, Cristobal, C Z
RUST-PROOFING PREP—1 dm, 54 gls, Mormactide, Gothenburg
SHELLAC—1 dm, 100 lbs, Yarmouth, St John, N B
SILICON CARBIDE—3 kgs, 500 lbs, Marwarri, London
SOAP, BORAX—20 bxs, 620 lbs, President Adams, Manila
FLAKE—(President Adams) 80 cs, 1,837 lbs, Honolulu; 3 cs, 66 lbs, Kahului; 10 cs, 230 lbs, Port Allen
POWDER—(President Adams) 150 cs, 5,682 lbs, Kahului; 10 cs, 378 lbs, Port Allen, Hawaii; 50 cs, 1,894 lbs, Nawiliwili
TAR—(Telde) 12 cs, 300 lbs, Fort Davis, C Z; 4 cs, 100 lbs, Fort Randolph, C Z; (President Adams) 50 cs, 1,260 lbs, Honolulu; 50 cs, 1,252 lbs, Kahului; 30 cs, 750 lbs, Port Allen
TOILET—(Telde) 8 cs, 190 lbs, Fort Davis, C Z; 4 cs, 95 lbs, Fort Randolph, C Z; (President Adams) 35 cs, 831 lbs, Kahului; 20 cs, 475 lbs, Port Allen
SODA, SILICATE—1 dm, 610 lbs, Yarmouth, Yarmouth
SULPHATE—100 bbls, 100 kgs, 40,000 lbs, Telde, Havana
TANNING FINISH—1 bbl, 58 gls, President Adams, Manila
TOILET PREPS—1 cs, Telde, Fort Davis, C Z
VANILLA BEANS—1 cs, 102 lbs, Yarmouth, St John, N B
WASHING POWDER—20 bbls, 4,000 lbs, President Adams, Manila
WAX, FLOOR—10 dms, 4,220 lbs, Mormactide, Helsingfors

Corpus Christi Exports

Clearance Dates

John Knudsen, October 26; Karabagh, October 22; Languedoc, October 23; W H Libby, October 21

GASOLINE—78,061 bbls, Karabagh, Holland; 5,798 bbls, John Knudsen, Havre
OIL, GAS—84,990 bbls, W H Libby, Havre
PETROLEUM, CRUDE—111,786 bbls, Languedoc, Havre; 100,278 bbls, John Knudsen, Havre

Galveston Exports

Clearance Dates

Augvald, October 26; American Press, October 27; Chemnitz, October 27; Gypsum Prince, October 31; Lucia C, October 31; Patrick Henry, October 31; Stureholm, October 31; West Quechee, October 26

BLACK, CARBON—120 tons, West Quechee, Liverpool; 440 sx, 75 cs, Chemnitz, Hamburg; 1,120 bgs, 282 cs, Lucia C, Trieste; 1,320 bgs, 100 cs, Stureholm, Gdynia
CONCENTRATES—241 tons, Patrick Henry, Antwerp
SULPHUR—(Augvald) 800 tons, Dunkirk; 1,200 tons, Antwerp; (Gypsum Prince) 1,000 tons, Liverpool; 400 tons, Sydney; 3,400 tons, Campbellton; 1,250 tons, Bathurst

Houston Exports

Clearance Dates

Augvald, October 31; Burgerdijk, November 1; Chemnitz, October 27; Edgehill, November 1; Grena, October 27; Lucia C, October 29; Monbaldo, November 1; Marviken, November 1; Oakwood, October 29; Stureholm, October 29; Urano, November 1; West Quechee, October 29

BLACK, CARBON — 100 tons, Chemnitz, Bremen-Hamburg; (Lucia C) 3,982 bgs, Trieste; 2,720 bgs, Venice; 282 cs, Susak; 185 cs, Salonica; 300 bgs, 150 ctns, Bourgas; (West Quechee) 5,625 pkgs, Manchester; 3,357 pkgs, Liverpool-Manchester; 1,350 bgs, Liverpool; 50 cs, Oakwood, Bremen-Hamburg; (Stureholm) 7 ctns, 670 cs, 882 bgs, Gothenburg; 25 cs, Copenhagen; 367 cs, Gdynia; 100 tons, Augvald, Havre; 60 tons, Marviken, Kobe; (Burgerdijk) 7 tons, Antwerp; 105 tons, Rotterdam; (Edgehill) 62 cs, 608 bgs, Genoa; 25 cs, Marseilles
GASOLINE—100,000 bbls, Grena, Curacao
OIL, FUEL—48,320 bbls, Urano, Pernambuco
LUBRICATING—65 dms, Augvald, Havre; (Monbaldo) 65 dms, Oran; 65 dms, Casablanca; 65 bbls, Tunis

Lake Charles Exports

Clearance Dates

Ruth Lykes, October 29; Velma Lykes, October 23

LARD—(Velma Lykes) 1,517 cns, San Juan; 420 cns, Arecibo; 1,325 cns, Mayaguez; 825 cns, Ponce; 100 tins, Arroyo; (Ruth Lykes) 313 cns, Arroyo; 575 cns, Mayaguez; 1,813 cns, San Juan

Los Angeles Exports

Clearance Dates

Captain A F Lucas, October 26; Delftdijk, October 23; Eclipse, October 26; Fjordaas, October 25; Havkong, October 25; Itukusima, October 25; Kingsley, October 26; Kunikawa, October 28; La Purisima, October 24; Lochkatrine, October 24; Margaret Johnson, October 27; Mazatlan, Montebello, October 26; Moveria, October 29; Nonsuco, October 25; Nozima, October 26; Vivi, October 25; Washingtonian, October 22; West Nilus, October 26

ACETONE—(Margaret Johnson) 25 dms, 8,950 lbs, Gothenburg; 31 dms, 11,100 lbs, Malmo; 18 dms, 6,450 lbs, Helsingfors; 6 dms, 2,150 lbs, Rauma; 108 dms, 38,670 lbs, Copenhagen; 123 dms 44,040 lbs, Oslo; 277 dms, 99,180 lbs, Lochkatrine, Amsterdam
AMMONIA, ANHYD—300 lbs, Mazatlan, La Paz
ASPHALT, LIQ—(West Nilus) 50 dms, 13,800 lbs, Rio de Janeiro; 13 dms, 5,030 lbs, Buenos Aires
BLACK, CARBON—600 lbs, Delftdijk, Vancouver
BORAX — (Margaret Johnson) 99 bgs, 11,090 lbs, Gothenburg; 296 bgs, 33,150 lbs, Malmo; (Nozima) 1,400 sx, 154,350 lbs, Osaka; 1,600 sx, 176,400 lbs, Yokohama
BUTYL ACETATE — (Margaret Johnson) 3 dms, 1,180 lbs, Gothenburg; 3 dms, 1,180 lbs, Helsingfors
CATTLE HOOFS—188 bgs, 18,000 lbs, Nozima, Kobe
HORNS—56 bgs, 6,000 lbs, Nozima, Kobe
CLAY, GRD—25 bgs, 2,500 lbs, West Nilus, Port of Spain
CLEANER—1,250 lbs, Delftdijk, Vancouver
DIATOMACEOUS EARTH — 154 bgs, 15,400 lbs, Margaret Johnson, Copenhagen; 620 bgs, 62,000 lbs, Washingtonian, San Juan; 5 bgs, 500 lbs, Kingsley, Vancouver; (Moveria) 111 bgs, 11,270 lbs, London; 332 bgs, 33,810 lbs, Glasgow; (West Nilus) 440 bgs, 44,000 lbs, Santos; 242 bgs, 24,200 lbs, Rio de Janeiro; 176 bgs, 17,600 lbs, Buenos Aires; 40 ctns, 2,000 lbs, San Juan
EPSOM SALT—200 sx, 20,000 lbs, Mazatlan, La Paz
FILM SCRAP—5,020 lbs, West Nilus, Rio de Janeiro
GASOLINE—37,124 bbls, 9,689,360 lbs, Eclipse, Manila-Cebu-Hongkong; 86,521 bbls, 22,581,980 lbs, Fjordaas, London; 16,859 bbls, 4,400,200 lbs, La Purisima, Balboa; 82,188 bbls, 21,451,070 lbs, Vivi, Land's End; 6 dms, 2,540 lbs, Mazatlan, Tortugas
KEROSENE—31,170 bbls, 8,883,450 lbs, Eclipse, Manila-Cebu-Hongkong; 10,000 cs, 850,000 lbs, Nonsuco, Manila; 2,168 bbls, 617,880 lbs, La Purisima, Balboa
NUTMEGS—2,880 lbs, Lochkatrine, Amsterdam
OIL, DIESEL — 24,925 bbls, 7,776,600 lbs, Eclipse, Manila-Cebu-Hongkong; 23,939 bbls, 7,468,970 lbs, La Purisima, Balboa; 35 dms, 14,840 lbs, Mazatlan, Tortugas; 83,577 bbls, 2,607,020 lbs, Havkong, Tsurumi-Moji
FUEL—77,417 bbls, 25,779,860 lbs, Itukusima, Sasebo; 33,562 bbls, 11,176,150 lbs, Captain A F Lucas, Guaymas; 25,189 bbls, 8,387,940 lbs, Montebello, Vancouver; 7,866 bbls, 2,619,380 lbs, Kingsley, Vancouver; 25 dms, 10,600 lbs, Mazatlan, Tortugas; 13,339 bbls, 4,441,890 lbs, Havkong, Tsurumi-Moji
LEMON—30 dms, 3,000 lbs, Lochkatrine, London
LUBRICATING—2,172 bbls, 842,740 lbs, Eclipse, Manila-Cebu-Hongkong; 50 pkgs, 8,150 lbs, La Purisima, Panama City; 6 dms, 2,540 lbs, Mazatlan, Tortugas
ROAD—7,563 bbls, 263,190 lbs, La Purisima, Balboa
PETROLEUM, CRUDE—52,021 bbls, 16,230,550 lbs, Montebello, Vancouver
GAS, LIQ—23 cyls, 2,300 lbs, Kingsley, Vancouver
SALT—80 sx, 10,000 lbs, Mazatlan, Tortugas
SOLVENTS—3 dms, 1,190 lbs, Margaret Johnson, Helsingfors
TANNING MATERIAL—3,000 lbs, Mazatlan, La Paz
TOILET PREPS—(Kunikawa) 200 lbs, Georgetown; 320 lbs, Bridgetown; 1,100 lbs, Bogota; 2,500 lbs, Caracas; 1,100 lbs, Washingtonian, San Juan

Mobile Exports

Clearance Dates

Austvangen, October 24; Haukefjell, October 29; Lindvangen, October 27; Taurus, October 26

BARYTES—26,000 bgs, Haukefjell, Paramaribo
FULLER'S EARTH—80 bgs, Austvangen, Port of Spain
LARD—(Lindvangen) 590 tins, Ciudad Trujillo; 150 tins, 5 ctns, San Pedro de Macoris; 1,450 tins, La Guaira
OIL, PINE—(Taurus) 30 bbls, Bergen; 30 bbls, Christianstad; 53 dms, Stockholm
ROSIN—(Taurus) 25 bbls, Oslo; 1,408 bbls, Gothenburg; 5 dms, Landskrona; 50 bbls, Stockholm; 15 bbls, Treelesborg; 54 bbls, Copenhagen
WOOD—12 dms, Lindvangen, Puerto Cabello; (Austvangen) 80 dms, 160 bbls, Kingston; 1 dm, Austvangen, St Georges
TURPENTINE, WOOD—35 cs, 1 bbl, Lindvangen, Port au Prince; 10 dms, Austvangen, St Georges

New Orleans Exports

Clearance Dates

Baja California, October 17; Boschdijk, October 15; Cefalu, October 18; Edgehill, October 22; Gansfjord, October 11; Gera, October 10; Harboe Jensen, October 4; Lysefjord, October 5; Marina O, October 18; Recca, October 22; Santa Marta, October 8; Sinaloa, October 7; Sixaola, October 11; Toloa, October 14; Western Queen, October 8; West Gambo, October 20

ASPHALT—10 tons, Western Queen, Liverpool; (Boschdijk) 20 tons, London; 26 tons, Rotterdam; 1,801 dms, Toloa, Arica
BLACK, CARBON—39 tons, Western Queen, Manchester; (Boschdijk) 86 tons, London; 9 tons, Rotterdam; 136 tons, West Gambo, London; 36 tons, Recca, Marseilles; 4 tons, Marina O, Genoa; 600 sx, Edgehill, Genoa
BLUE VITRIOL—2,336 sx, Sinaloa, Toloa
CALCIMINE—1 ton, Santa Marta, Corinto
CALCIUM ARSENATE—(Santa Marta) 450 dms, Pisco; 300 dms, Callao
CARBIDE—500 dms, Toloa, Cristobal
CLAY—17 tons, Western Queen, Manchester; (Boschdijk) 54 tons, London; 54 tons, Antwerp
GROUND—27 tons, West Gambo, London
COCOA WASTE—42 tons, Boschdijk, Amsterdam
CORN SYRUP—20 tons, Western Queen, Liverpool; 71 tons, West Gambo, London
COTTONSEED HULL PULP—18 tons, Western Queen, Manchester; (Boschdijk) 21 tons, London; 49 tons, Rotterdam; 23 tons, Amsterdam; 10 tons, West Gambo, London
MEAL—1,000 sx, Santa Marta, Havana
SOAPSTOCK—6 tons, West Gambo, London
DIATOMACEOUS EARTH — 25 sx, Santa Marta, Colon
DRUGS—1 ton, Boschdijk, London
FIRECLAY—(Gera) 6 tons, Wellington; 4 tons, Lyttelton; 8 tons, Dunedin; 55 tons, Harboe Jensen, Puerto Barrios; 1 ton, Santa Marta, Cristobal
GASOLINE—50 cs, 20 dms, Harboe Jensen, Livingston; (Sinaloa) 105 dms, Bluefields; 501 cs, 300 dms, Tela; 150 bbls, 375 dms, Gansfjord, Puerto Barrios; 25 dms, Baja California, Bluefields
GLUCOSE—(Gera) 5 tons, Auckland; 5 tons, Wellington; 21 tons, Lyttelton; 35 tons, Dunedin; 15 bbls, Santa Marta, Panama City
BLEACHED—2 tons, Western Queen, Liverpool
GREASE, LUBRICATING—29 tons, Boschdijk, Rotterdam; 22 dms, Toloa, Havana
GYPSUM—1 ton, Cefalu, Havana
INK—6 dms, Harboe Jensen, Puerto Barrios; 25 dms, Toloa, Valparaiso
INVALID'S FOOD—1 ton, Toloa, Havana
KEROSENE—50 cs, 5 dms, Harboe Jensen, Livingston; 10 dms, 115 cs, Sinaloa, Bluefields; 75 dms, Sixaola, Puerto Barrios; 73 cs, Toloa, Puerto Limon; 21 dms, 100 cs, Baja California, Bluefields
LARD—100 tins, Cefalu, Panama; 200 tins, Harboe Jensen, Puerto Barrios; (Lysefjord) 377 dms, 100 tins, 25 crts, 47 cs, Santiago; 1,600 tins, Puerto Colombia; 200 tins, Cartagena; 700 tins, Sixaola, Puerto Barrios; 25 tins, 70 crts, 5 cs, 314 dms, Gansfjord, Santiago; (Toloa) 600 tins, 1,005 dms, Havana; 1,200 tins, Puerto Limon; 1,725 tins, Guayaquil; (Santa Marta) 300 tins, 50 crts, 1,015 dms, Havana; 200 tins, Panama; 200 tins, Santa Marta; 250 tins, Guayaquil
MEDICINAL PREPS—1 ton, Toloa, Havana
MINERAL EARTH—1 ton, Boschdijk, London
OIL, CEDARWOOD—1 ton, Recca, Marseilles
FUEL—200 dms, Sixaola, Puerto Barrios; 100 dms, Toloa, Puntarenas; 49 dms, Baja California, Bluefields
LUBRICATING—(Gera) 28 tons, Auckland; 39 tons, Wellington; 26 tons, Lyttelton; 18 tons, Dunedin; (Cefalu) 7 dms, Puerto Cabezas; 5 dms, Ceiba; 9 dms, Sinaloa, Bluefields; (Western Queen) 13 tons, Liverpool; 6 tons, Manchester; (Boschdijk) 4 tons, Antwerp; 26 tons, Rotterdam; 18 tons, Recca, Marseilles; (Marina O) 43 tons, Genoa; 47 tons, Marseilles; 130 dms, 48 bxs, Edgehill, Genoa (West Gambo) 130 tons, London; 2 tons, Rotterdam
PINE—12 tons, Western Queen, Liverpool; 7 tons, Recca, Marseilles; 9 dms, Santa Marta, Buenaventura
REFINED—500 cs, Harboe Jensen, Puerto Barrios
ORE, CONC—51 tons, Boschdijk, London
PAINT—1 ton, Cefalu, Ceiba; 1 ton, Sixaola, Puerto Barrios; 3 tons, Toloa, Corinto; 1 ton, Santa Marta, Corinto
PARAFFIN—50 tons, Boschdijk, London; 150 sx, Toloa, Havana; 213 tons, West Gambo, London; (Marina O) 4 tons, Genoa; 10 tons, Marseilles
SCALE—135 tons, Western Queen, Manchester; 17 tons, West Gambo, Rotterdam
PETROLATUM—(West Gambo) 18 tons, London; 6 tons, Rotterdam
PINETAR—10 dms, Toloa, Havana
PITCH—18 tons, Western Queen, Liverpool
ROSIN—(Gera) 44 tons, Auckland; 5 tons, Wellington; 20 tons, Lyttelton; 23 tons, Dunedin; 14 tons, Western Queen, Liverpool; (Toa) 65 dms, Buenaventura; 85 dms, Callao
GUM—80 dms, Lysefjord, Cartagena; 25 dms, Toloa, Panama; 25 dms, Santa Marta, Panama
WOOD—10 dms, Cefalu, Callao; 60 dms, Lysefjord, Cartagena; 15 dms, Toloa, Puerto Limon; 60 dms, Santa Marta, Cartagena
SALT—100 tons, Gera, Lyttelton; (Cefalu) 130 tons, Havana; 1 ton, Puerto Cabezas; 1 ton, Lysefjord, Santiago; 10 tons, Sinaloa, Bluefields; 17 tons, Sixaola, Puerto Barrios; 2 tons, Baja California, Bluefields
SHRIMP BRAN—20 sx, Toloa, Cristobal
SOYBEAN MEAL—5 sx, Sixaola, Puerto Barrios

STARCH—200 sx, Cefalu, Havana; 5 tons, Western Queen, Manchester
CORN—692 tons, Western Queen, Manchester
TRIPOLI—1 ton, Gera Wellington; 135 tons, Western Queen, Manchester
TURPENTINE—(Gera) 7 tons, Auckland; 6 tons, Wellington; 1 ton, Dunedin; 30 dms, Cefalu, Callao; 10 dms, Tolosa, Havana
WOOD—115 dms, 30 cs, Tolosa, Havana

Norfolk Exports

Clearance Dates

Rydboholm, October 24; Sarcoxie, October 21

AMMONIA, BROMIDE—40 cs, 5,360 lbs, Sarcoxie, London
CORNFLOUR—40 bgs, 5,600 lbs, Rydboholm, Stockholm
MICA, PULV—50 bgs, 5,100 lbs, Sarcoxie, Hamburg
PASSION FLOWER HERB—8 bls, 2,328 lbs, Sarcoxie, Hamburg
POTASH, BROMIDE—280 cs, 36,960 lbs, Sarcoxie, London
MURIATE—360 bgs, 112,840 lbs, Sarcoxie, London
SOYBEAN FLOUR—(Rydboholm) 100 bgs, 12,500 lbs, Gothenburg; 25 bgs, 3,125 lbs, Oslo; 100 bgs, 12,500 lbs, Stockholm

Philadelphia Exports

Clearance Dates

Argentino, October 28; Artigas, October 31; City of Flint, October 31; Clan Maciver, October 31; Estrella, October 29; Marwarri, October 28; New Toronto, November 1; Port Auckland, November 2; Port Campbell, November 1; Scanpenn, November 2; Vingaren, October 31

ACID, CHROMIC FLAKE—20 dms, Port Campbell, Sydney
ALCOHOL, AMYL—1 cs, Marwarri, Abadan
BUTYL—12 dms, Port Campbell, Sydney
ANTI-FREEZE SOLUT—60 ctns, 50 dms, Vingaren, Stockholm
ANTI-KNOCK COMP—110 dms, Marwarri, London; 5 dms, Estrella, Marseilles; 46 dms, Scanpenn, Gdynia
BENZOL—(Argentino) 13 dms, Montevideo; 5 dms, Buenos Aires
BLACK, BONE—(Port Campbell) 1 dm, Melbourne; 1 dm, Sydney; (Port Auckland) 1 dm, Auckland; 2 dms, Wellington; 1 dm, 14 bgs, Scanpenn, Gothenburg
BUTYL ACETATE—60 dms, Port Campbell, Sydney
CEMENT, GASKET—4 ctns, Port Campbell, Melbourne; 1 dm, Sydney; 10 ctns, Port Auckland, Auckland
LEATHER-BELTING—1 dm, Port Auckland, Auckland
REFRACTORIES—33 dms, Scanpenn, Gothenburg
CHEMICALS—1 cs, Marwarri, Abadan
CLEANER—22 ctns, Port Campbell, Melbourne
COALTAR INTERMEDIATES—(Scanpenn) 4 bxs, 2 dms, Gothenburg; 7 ctns, 1 bx, Helsingfors
COLLODION COTTON—513 bbls, Marwarri, London
CORN SYRUP, LICORICE FLAVORED—3 dms, Scanpenn, Copenhagen
CYANIDE, CRUDE—5 dms, Port Auckland, Wellington
DEXTRIN—35 bgs, Port Auckland, Wellington
DICHLORODIFLUOROMETHANE — 50 cyls, Artigas, Manchester; 3 cyls, Port Campbell, Sydney; 3 cyls, Scanpenn, Helsingfors
ENAMEL, AUTO—6 ctns, Artigas, Dublin, 2 ctns, Port Campbell, Melbourne
ETHYL ACETATE—12 dms, Port Campbell, Melbourne
FLUID—(Estrella) 10 dms, Lisbon; 15 dms, Marseilles; 160 dms, Sete; 20 dms, City of Flint, Riga
FILTER SAND—1 bg, Estrella, Lisbon
FIRECLAY—(Port Auckland) 231 ctns, 24 bgs, Auckland; 72 ctns, 30 bgs, Wellington; 51 ctns, 20 bgs, Lyttelton; 151 ctns, 25 bgs, Dunedin
FLUID, BRAKE, HYDRAULIC—42 ctns, Port Campbell, Sydney
GASOLINE—(New Toronto) 3,000 cs, 125 dms, Dakar; 750 cs, 150 dms, Bissao; 3,500 cs, Conakry; 250 cs, 40 dms, Freetown; 1,520 cs, Saltpond; 5,120 cs, Takoradi; 500 cs, Cape Coast; 9,060 cs, 50 dms, Accra; 750 cs, Lome; 2,000 cs, Cotonou; 10,100 cs, Lagos; 2,500 cs, Port Harcourt; 5,500 cs, Port Bouet; 2,500 cs, 50 dms, Duala
GREASE, LUBRICATING—20 bbls, Estrella, Marseilles; 6 dms, Vingaren, Stockholm; (Port Campbell) 15 pls, 4 cs, Brisbane; 6 dms, 1 cs, Sydney; (Port Auckland) 1 dm, Christchurch; 38 dms, Auckland; 7 dms, Dunedin; 15 dms, Wellington; (Scanpenn) 7 dms, 3 bbls, Gothenburg; 4 dms, Helsingfors; (New Toronto) 1 cs, Bissao; 5 dms, Accra; 32 cs, 7 dms, Lagos; 20 cs, 5 dms, Port Harcourt; 2 cs, Duala
GUM, SYNTH—1 dm, Scanpenn, Copenhagen
HYDROGEN, PEROXIDE—70 ctns, Port Auckland, Auckland
INK, PRINTING—17 kits, 4 cs, Marwarri, London
ISO OCTANE—1 cs, Scanpenn, Stockholm
LARD—100 tubs, Vingaren, Stockholm
LICORICE, EXTRACT—84 cs, Marwarri, London; 50 dms, Artigas, Liverpool
PASTE—30 cs, 50 dms, Marwarri, London; 20 cs, Artigas, Liverpool; 25 cs, Clan Maciver, Rustenburg; 15 cs, Port Campbell, Sydney; (Scanpenn) 120 cs, Copenhagen; 19 cs, Helsingfors
LINSEED CAKE—(Marwarri) 630 bgs, London; 1,890 bgs, Avonmouth
METHANOL—167 ctns, Scanpenn, Stockholm
NAPHTHA—2 dms, Artigas, Liverpool
OIL, CAMPHOR—6 dms, Artigas, Liverpool
FUEL—(New Toronto) 300 dms, Bissao; 30 dms, Freetown; 100 dms, Duala
ILLUMINATING—40 bbls, Scanpenn, Copenhagen; (New Toronto) 1,000 cs, Dakar; 400 cs, 20 dms, Bissao; 750 cs, Conakry; 600 cs, Freetown; 500 cs, Saltpond; 2,700 cs, Takoradi; 500 cs, Capecoast; 1,100 cs, Accra; 750 cs, Lome; 1,750 cs, Cotonou; 1,000 cs, Lagos; 5,000 cs, Port Harcourt; 1,250 cs, Port Bouet; 2,000 cs, Calabar; 1,500 cs, Duala
LUBRICATING—261 dms, 139 pkgs, 80 hlf dms, 65 bbls, Marwarri, London; (Artigas) 31 bbls, 6 dms, Manchester; 26 ctns, Dublin; (Estrella) 178 bbls, 102 dms, 1,376 cs, Lisbon; 88 bbls, 2 dms, 68 cs, Leixoes; 17 pkgs, Benguela; 20 cs, Dilolo; 71 dms, Loanda; 170 cs, Angola; 10 dms, Lobito; 15 cs, Mossamedes; 10 cs, San Thome; 67 pkgs, Praia; 20 dms, 2,182 pkgs, Casablanca; 50 pkgs, Oudja; 22 pkgs, Tangiers; 90 dms, 63 cs, Gibraltar; 100 bbls, 332 dms, 55 pkgs, 450 bbls, 10 hlf bbls, 203 dms, 2,406 cs, Santos; 5 bbls, Buenos Aires; (Vingaren) 10 dms, Gothenburg; 5 dms, Sundsvall; 40 pkgs, 38 dms, Stockholm; (Clan Maciver) 672 pkgs, East London; 210 dms, 300 cs, Port Elizabeth; 287 dms, 350 cs, Capetown, 545 dms, 545 cs,
OIL, LUBRICATING (Continued):—
Durban; 1,090 pkgs, Beira; 563 dms, 1,390 cs, Lourenco Marques; 16 ctns, 1 dm, Melbourne; 44 dms, Sydney; (Port Auckland) 577 dms, 72 bxs, 50 bxs, Christchurch; 45 dms, Dunedin; 46 dms, Invercargill; (Scanpenn) 89 bbls, 26 dms, Gothenburg; 126 dms, Copenhagen; 109 dms, 12 bbls, Gdynia; 15 bbls, Danzig; 1 dm, Stockholm; 24 cs, 8 dms, 1 bbl, 1 crate, 58 qtr dms, Helsingfors; (New Toronto) 80 dms, 205 cs, Senegal; 120 cs, Rio Benito; 30 dms, 30 cs, Rio Nuni; 20 dms, 40 cs, Fernando; 20 dms, Togoland; 65 dms, 101 cs, Las Palmas; 50 dms, Teneriffe; 255 dms, Takoradi; 3 cs, Port Bouet; 10 dms, Cotonou; 144 dms, 258 cs, Lagos; 52 dms, 100 cs, Port Harcourt; 25 dms, Sapelle; 61 dms, Apapa; 10 cs, 15 dms, Bissao; 3 dms, Conakry; 3 dms, Freetown; 110 dms, 40 cs, Accra; 72 cs, 77 dms, Lagos; 40 dms, Port Bouet; 2 cs, Duala
NEATSFOOT—10 bbls, Estrella, Marseilles; 6 dms, Scanpenn, Helsingfors
PAINT—135 kits, Estrella, Lisbon; 2 dms, Port Auckland, Auckland; 4 ctns, Scanpenn, Stockholm
AUTO—6 ctns, Artigas, Dublin; 2 ctns, Port Campbell, Melbourne
PARAFFIN—(Estrella) 1,000 bgs, Oporto; 200 bgs, Lisbon; (Scanpenn) 10 bgs, Copenhagen; 10 bgs, 84 bbls, Stockholm
REFINED—(Scanpenn) 20 bgs, Copenhagen; 20 bgs, Stockholm
POLISH, AUTO—38 ctns, Artigas, Dublin; 22 cts, Port Campbell, Melbourne
COMPOUND—10 kits, Scanpenn, Stockholm
REFLECTOR—2 ctns, Port Auckland, Auckland
PUTTY—16 ctns, Artigas, Dublin
RADIATOR FLUSH—1 ctn, Artigas, Dublin; 12 ctns, Port Campbell, Melbourne
SOLDER—24 ctns, Port Campbell, Melbourne
RESIN—1 dm, Marwarri, Erith
COALTAR—34 dms, Marwarri, London; 2 cs, Port Campbell, Melbourne
RUBBING COMP—6 ctns, Artigas, Dublin; 14 ctns Port Campbell, Melbourne; 12 kits, Scanpenn, Stockholm
RUTILE—42 dms, Scanpenn, Gothenburg
SOAP, LAUNDRY—253 bxs, Artigas, Glasgow
SODA, ASH—(Port Auckland) 5 dms, Auckland; 11 dms, Dunedin; 4 dms, Wellington
CYANIDE—4 dms, 2 bxs, Scanpenn, Gothenburg
TANNING MATERIAL — (Port Campbell) 3 bbls, Brisbane; 10 bbls, 1 dm, Sydney; 5 dms, Melbourne
TETRA ETHYL LEAD—(Port Campbell) 8 dms, Brisbane; 28 dms, Sydney; 21 dms, Melbourne; 9 dms, Adelaide; (Port Auckland) 5 dms, Auckland; 6 dms, Wellington; 3 dms, Dunedin
TOLUOL—80 dms, Argentino, Buenos Aires
VALVE GRINDING COMP — 8 ctns, Port Campbell, Melbourne
VARNISH—2 cs, Port Campbell, Sydney; 9 ctns, Scanpenn, Stockholm
XYLOL—5 dms, Argentino, Buenos Aires

Port Arthur Exports

Clearance Dates

Bourgogne, October 25; Eli Knudsen, October 29; Lightburne, October 25; Nueva Granada, October 30; Oilpioneer, October 26; President Herrenschmidt, October 22; Rapallo, October 26; Ruth Lykes, October 21; Tuscania, October 22

ASPHALT—201 dms, 6 bbls, Nueva Granada, Amsterdam
LIQUID—21 cs, 2 dms, 4 bxs, Lightburne, Rio de Janeiro
PETROLEUM—(Ruth Lykes) 3 bxs, San Juan; 1 bx, Arecibo; 1 bx, Aguadilla; 1 bx, Mayaguez
CLEANER—(Ruth Lykes) 15 cs, San Juan; 3 cs, Mayaguez
GASOLINE—25 bbls, Ruth Lykes, San Juan; (Lightburne) 12,596 bbls, 750 dms, 700 cs, Rio de Janeiro; 14,507 bbls, Para; (Nueva Granada) 6 dms, 41,393 bbls, Amsterdam; 29,837 bbls, Dublin; 1,722 bbls, President Herrenschmidt, Donges
GREASE, LUBRIC—(Ruth Lykes) 3 dms, 2 cs, San Juan; 2 cs, Arecibo; 2 cs, Mayaguez; (Lightburne) 1 bx samples, 345 cs, 75 bbls, 30 kgs, 20 dms, 25 crts, Rio de Janeiro; (Nueva Granada) 230 dms, 659 cs, 180 ctns, Amsterdam; 100 dms, 40 bbls, Dublin
KEROSENE—(Ruth Lykes) 150 cs, San Juan; 5 cs, Arecibo; (Lightburne) 4,000 bbls, 100 cs, Rio de Janeiro; 10,028 bbls, Para; (Nueva Granada) 23,092 bbls, 2 dms, Amsterdam; 5,445 bbls, Dublin
NAPHTHA—300 dms, Lightburne, Rio de Janeiro
OIL, DIESEL—(Lightburne) 5,989 bbls, Rio de Janeiro; 4,000 bbls, Para; 8,137 bbls, Nueva Granada, Amsterdam
LUBRICATING—(Ruth Lykes) 83 cs, 15 dms, San Juan; 2 dms, 10 cs, Arecibo; 2 dms, 13 cs, Aguadilla; 4 dms, 17 cs, Mayaguez; 37 dms, 76 cs, Ponce; (Lightburne) 4,475 bbls, 483 dms, 930 cs, 12 crts, Rio de Janeiro; (Nueva Granada) 278 dms, 220 bbls, 56 cs, Amsterdam; 140 dms, 1 cs, Dublin
PARAFFIN, RFD—5 cs, Ruth Lykes, San Juan
PETROLEUM, CRUDE—77,664 bbls, Tuscania, Trieste; (President Herrenschmidt) 46,107 bbls, Donges; 52,792 bbls, Bordeaux; 98,473 bbls, Bourgogne, Bordeaux; 45,725 bbls, Oilpioneer, Trieste; 55,701 bbls, Rapallo, Fiume; 101,167 bbls, Eli Knudsen, Venice
POLISH AUTO—2 dms, Lightburne, Rio de Janeiro

San Francisco Exports

Clearance Dates

Baja California, October 15; City of San Francisco, October 14; Daisan Ogura, October 17; Josephine Lawrence, October 17; Marken, October 17; Rosebank, October 19; Silverteak, October 14; Silverwillow, October 15; Skjelbred, October 17; Speybank, October 15; Soloy, October 14; Tatuta, October 19; Tolken, October 17; Trondanger, October 15; Warwick, October 18

ABRASIVE, CLOTH—3 cs, Baja California, La Paz
PAPER—1 cs, Baja California, La Paz
ACETATE—(Speybank) 2 dms, Auckland; 5 dms, Wellington; 2 dms, Christchurch
ACETYLENE—1 cyl, Speybank, Papeete
ACID, BORIC—100 sks, 50 bbls, Silverteak, Shanghai
HYDROCYANIC—1 cs, Speybank, Auckland
MURIATIC—10 crbys, Silverwillow, Mombasa
NITRIC—1 cs, Baja California, Guaymas
TARTARIC—76 bbls, Speybank, Christchurch
ALCOHOL, ALLYL—3 dms, Tolken, Australia
ALUMINA SULPHATE—3,000 sks, Josephine Lawrence, Ocean Falls
AMMONIA CARBONATE—4 cs, Speybank, Papeete
APRICOT KERNELS—10 sks, Trondanger, Belgium
ASPHALT — 495 dms, Speybank, Auckland; (Silverwillow) 756 dms, Capetown; 1,012 dms, Port Elizabeth; 911 dms, Durban; 250 dms, Beira; 15 dms, Nairobi; 4,555 dms, Tolten, Australia; (Marken) 10 dms, Manila; 4,040 dms, Batavia-Samarang-Sourabaya; 536 dms, Colombo; 75 dms, 30 bbls, Al Khobar; 20 dms, Ras Tanura
COMPOUND—1 dm, Marken, Ras Tanura
BARK—67 sks, Tolten, Australia
BITUMEN SOLUT—1 dm, Marken, Bahrein
BLACK, CARBON—1 cs, Marken, Sourabaya; (Tatuta) 16 sks, Kawasaki; 499 sks, Tokyo
BONE ASH—2 bbls, Silverwillow, Mombasa; 1 bbl, Baja California, Guaymas
BORAX—15 cs, Silverwillow, Mombasa; 1 kg, Baja California, Guaymas
CARBON, BISULPHIDE—1 cs, Speybank, Papeete
DECOLORIZING—1 cs, Speybank, Hongkong
DIOXIDE—6 cyls, Speybank, Papeete
TETRACHLORIDE—1 dm, Rosebank, Vancouver
CASCARA BARK—26 sks, Tolken, Australia
CATTLE HOOFS—670 sks, Tatuta, Osaka
CEMENT, INSULAT — 34 sks, Tolken, Australia
LINOLEUM—16 pls, Silverteak, Shanghai
ROOF—1 cs, 1 bbl, Speybank, Wellington; (Silverwillow) 74 cs, 579 pls, 2 dms, Durban; 12 cs, Johannesburg; 40 pls, 2 cs, Beira; 10 pls, Nairobi; 12 dms, Capetown; 20 pls, East London
VULCANIZING—(Silverwillow) 20 cs, Durban; 1 cs, Port Elizabeth; 10 cs, Capetown
CHALK, PREP—1 cs, Silverteak, Manila
CHEMICALS — (Silverteak) 3 bbls, 2 cs, 10 dms, Shanghai; 12 cs, 8 dms, Silverteak, Hongkong; 2 bbls, 1 cs, Tolken, Australia; 3 cs, Marken, Saigon; 10 bbls, Tatuta, Osaka
CINNAMON—(Baja California) 5 bls, Guaymas; 5 bls, La Paz
CLAY, FILTER—4 sks, Rosebank, Vancouver
CLEANSER—(Silverteak) 10 cs, Hongkong; 1 cs, Manila
COBALT SALT—1,000 pkgs, Speybank, Napier
COALTAR—8 dms, Baja California, La Paz
INTERMEDIATE—13 dms, Tatuta, Kobe
DICHLORODIFLUOROMETHANE—1 cs, Silverteak, Manila
DYES, ANILIN—1 cs, Rosebank, Vancouver
COCOA BEANS—34 sks, Tolken, Australia
COLOR, DRY — 3 bbls, 8 kgs, City of San Francisco, Colon; 1 bbl, Rosebank, Vancouver
COPRA—7,368 sks, Skjelbred, Colombia
CRAYONS—1 cs, Tolken, Australia
DENTIFRICE—17 cs, Silverteak, Shanghai
DISINFECANT—2 cs, Marken, Manila
COALTAR — 3 dms, Baja California, Acapulco
FERTILIZER—2 sks, Speybank, Papeete
FILLER, WOOD—(Silverwillow) 1 cs, Port Elizabeth; 12 cs, Capetown
FIRECLAY—800 sks, Josephine Lawrence, Ocean Falls
FLUX, LIQ—2 dms, Speybank, Wellington
FORMALDEHYDE—1 dm, Baja California, Topolobampo
GASOLINE—400 dms, Soloy, Kobe; 2,040 cs, 85 dms, Sneybank, Papeete
GINGER ROOT—(Speybank) 24 sks, Sydney; 1 cs, Papeete
GLAUBER'S SALT—(Speybank) 200 sks, Auckland; 60 sks, Wellington
GLUCOSE—100 bbls, Speybank, Dunedin
GREASE, AXLE—4 cs, Speybank, Auckland
CUP—1 cs, Speybank, Papeete
LUBRICATING—(Speybank) 3 dms, Melbourne; 28 dms, Wellington; 31 dms, Auckland; 30 dms, 4 pls, Tolken, Australia; (Marken) 2 dms, Ras Tanura; 171 dms, Bahrein; 20 pls, Tatuta, Tsingtao
HOPS—1 cs, Speybank, Papeete
HYDROGEN PEROXIDE—(Speybank) 182 cs, Wellington; 58 cs, Christchuch; 32 cs, Dunedin
INK—1 cs, Speybank, Christchurch
PRINTING—5 cs, Marken, Bombay; (Rosebank) 12 dms, Victoria; 1 cs, 8 pls, 2 dms, Vancouver
INSECTICIDE, AGRIC—(Silverwillow) 4 dms, 5 pls, Port Elizabeth; 8 dms, 2 sks, Capetown; 18 dms, Lourenco Marques
DRY—45 dms, Speybank, Napier
LIQUID—(City of San Francisco) 12 pkgs, Panama; 16 dms, 18 cs, Balboa
KEROSENE—520 cs, Speybank, Papeete
LACQUER—(Speybank) 1 cs, Papeete; 65 pls, 60 cs, Wellington; 49 cs, 25 pls, Auckland; 17 cs, 4 pls, Christchurch; 9 cs, Dunedin; (Silverwillow) 37 cs, Durban; 171 cs, 13 pls, Port Elizabeth; 70 cs, Capetown; 4 cs, Rosebank, Vancouver
THINNER—(Silverwillow) 15 dms, 60 pls, Durban; 6 dms, 30 pls, 1 cs, Port Elizabeth; 156 pls, 2 cs, Capetown
LEAD, ACETATE—2 dms, Silverwillow, Mombasa
ARSENATE—78 cs, Speybank, Wellington
RED—17 dms, Silverteak, Manila
SULPHATE—5 bbls, Silverteak, Manila
WHITE—20 bbls, Silverteak, Manila
WHITE, IN OIL—400 kgs, Silverteak, Manila
LEATHER FINISH—12 cs, Silverwillow, Capetown
LITHARGE—10 pls, Silverwillow, Mombasa
LYE—10 cs, Baja California, Guaymas
MAGNESIA CARBONATE—10 sks, Rosebank, Victoria
MEDICINAL PREPS—1 pkg, Tatuta, Yokohama; 4 cs, Silverteak, Manila; 3 cs, Speybank, Christchurch; 3 cs, Marken, Bombay
MILK POWDER—150 bbls, Marken, Manila
MINERAL SPTS—75 bbls, Speybank, Auckland; 114 dms, Tolten, Australia; 12 dms, Marken, Bahrein
NITROCELLULOSE—2 dms, Rosebank, Victoria
OIL, COCONUT—6 bbls, 48 dms, Speybank, Lyttelton; 1 cs, Marken, Manila
LIME—6 cs, Speybank, Melbourne
LUBRICATING—400 dms, 2 cs, Silverteak, Shanghai; (Speybank) 27 dms, Dunedin; 130 dms, Melbourne; 113 dms, Wellington; 50 dms, Sydney; 8 dms, Papeete; 6 dms, Lyttelton; 57 dms, Auckland; (Silverwillow) 75 dms, Calcutta; 50 dms, 2 cs, Mombasa; 45 dms, 40 cs, East London; 40 dms, 200 cs, Lourenco Marques; 50 dms, Capetown; 50 dms, 240 cs, Beira; 450 dms, 100 cs, Durban; 30 cs, 10 dms, Port Elizabeth; 20 dms, Johannesburg; 451 dms, Tolken, Australia; (Marken) 260 dms, Bombay; 25 dms, Karachi; 35 dms, Belawan; 100 dms, Cebu; 50 dms, Iloilo; 385 dms, Port Swettenham; 270 dms, Singapore; 150 dms, Karachi; 60 cs, 85 dms, Sourabaya; 1 dm, Padang; 80 dms, Colombo; 60 dms, Saigon; 100 dms, Madras; 425 dms, Bahrein; 1,200 bbls, Warwick, Port Moody; (Tatuta) 105 dms, Moji; 325 dms, Kobe; 12 dms, Yokohama; 65 bbls, Rosebank, Vancouver
MACHINE—1 cs, Speybank, Papeete
MINERAL, WHITE—(Marken) 50 cs, Madras; 10 cs, Singapore
NAPHTHENIC—131 dms, Trondanger, Havre
OLEO—5 bbls, Silverteak, Manila
ORANGE—3 cs, Tatuta, Yokohama
SOLUBLE—12 dms, Marken, Bahrein
SPRAYING—(Speybank) 2 dms, 25 cs, Dunedin; 5 dms, 50 cs, Lyttelton; 30 dms, 50 cs, Auckland
ORANGE PEEL—10 dms, Rosebank, Vancouver
OXYGEN—3 cyls, Speybank, Papeete
PAINT—13 cs, Silverteak, Manila; 24 cs, City of San Francisco, Colon; (Speybank) 5 cs, Papeete; 7 cs, Wellington; (Silverteak) 651 pls, 179 cs, 6 dms, Durban; 2 dms, 161 pls, 8 cs, Beira; 40 pls, 72 cs, Port Elizabeth; 33 cs, 10 pls, Nairobi; 131 cs, 138 pls, 11 dms, Capetown; 1 pl, 7 cs, East London; 5 cs, Walvis Bay; (Marken) 4 dms, Manila; 39 pls, 35 cs, Colombo; 30 pls, Al Khobar; 6 pls, Tatuta, Yokohama
ENAMEL—10 cs, Silverteak, Manila; (Speybank) 5 cs, Auckland; 14 cs, Wellington; 7 cs, Christchurch; (Silverwillow) 9 cs, Port Elizabeth; 4 cs, Capetown; 1 cs, Baja California, La Paz
PASTE—3 cs, Speybank, Papeete; 1 cs, Baja California, La Paz
PREPARED—12 pls, Marken, Al Khobar
PASTE—1 bbl, Silverwillow, South Africa
LABEL—10 cs, Speybank, Dunedin
LINOLEUM—(Speybank) 10 dms, Auckland; 30 dms, Wellington
PEATMOSS—1 bl, Speybank, Papeete
PEPPER, BLACK—10 sks, Baja California, Guaymas; 40 sks, Skjelbred, Cuba
PETROLEUM—(Sneybank) 200 dms, Sydney; 30 dms, Auckland; (Silverwillow) 200 cs, Lourenco Marques; 35 dms, Capetown; 15 cs, Port Elizabeth; 80 dms, Durban
CRUDE—30,076 bbls, Daisan Ogura, Yokohama; 3 dms, Tatuta, Yokohama
GAS, LIQ—30 cyls, Marken, Bahrein
PIMENTOS—(Speybank) 30 sks, Melbourne; 15 sks, Sydney
PITCH—1 cs, Marken, Al Khobar
POLISH—(Speybank) 1 cs Auckland; 1 cs, Wellington; (Silverwillow) 13 pls, 4 cs, Port Elizabeth; 6 cs, Silverwillow, Capetown
FURNITURE—20 cs, Marken, Bahrein
POTASH, NITRATE—1 cs, Silverwillow, Mombasa
XANTHATE—320 dms, Silverwillow, N'Dola; 50 dms, Skjelbred, Cuba; 6 dms, Rosebank, Vancouver
PUTTY—11 cs, Silverteak, Manila; (Speybank) 1 cs, Auckland; 22 cs, Wellington; 5 cs, Christchurch; 3 cs, Dunedin; (Silverwillow) 7 cs, Port Elizabeth; 11 cs, Capetown
QUICKSILVER—2 flasks, Silverwillow, Mombasa
REFRIGERANT—1 cs, Marken, Bangkok
ROOF COATING—2 dms, 50 pls, 25 cs, Silverwillow, Johannesburg
ROSIN, GUM—(Speybank) 10 bbls, Auckland; 10 bbls, Wellington
SALT—10 bls, 70 sks, Speybank, Papeete; 8,000 sks, Rosebank, Chemainus
IODIZED—(Sneybank) 1,000 pkgs, Napier; 800 pkgs, Wellington
SHELLAC, WHITE—251 lbs, Rosebank, Vancouver
SILICA, POWD—5 dms, Baja California, La Paz
SOAP—84 cs, City of San Francisco, Balboa
SODA—45 cs, Silverteak, Shanghai
BICARBONATE—2 cs, Silverteak, Hongkong
CARBONATE—5 bbls, Silverwillow, Mombasa
CAUSTIC—(Baja California) 70 dms, Topolobampo; 30 cs, Acapulco
SILICATE—1 dm, Speybank, Auckland; 750 sks, Josephine Lawrence, Ocean Falls; 27 dms, 1,900 sks, 33 bbls, Rosebank, Vancouver
XANTHATE—40 dms, Silverteak, Manila
SOLVENT, PETROL—(Speybank) 2 dms, Auckland; 6 dms, Wellington; 6 dms, Christchurch; 20 dms, Tolken, Australia
SPRAY POWDER—(Speybank) 6 pls, Dunedin; 12 pls, Lyttelton; 38 pls, Auckland
SULPHUR—(Speybank) 110 sks, Auckland; 100 sks, Napier; 100 sks, Silverwillow, Capetown
FLOWERS—22 sks, Sneybank, Wellington
LUMP—1,470 sks, Baja California, Topolobampo
REFINED—60 cs, Speybank, Lyttelton
TAPIOCA—5 sks, Baja California, Guaymas
TIMBO ROOT—180 bdls, Tolken, Australia
TOILET PREPS—5 cs, Tolken, Australia; (Marken) 2 cs, Madras; 1 cs, Oosthaven; 1 cs, Singapore; 12 cs, Sourabaya; 23 cs, Karachi; 1 cs, Silverteak, Manila
TREE SEAL—25 cs, Silverwillow, Capetown
WASH—40 dms, 14 cs, Speybank, Wellington; 1 dm, 3 cs, Silverwillow, Lourenco Marques
TURPENTINE—4 cs, Speybank, Papeete
GUM—(Speybank) 3 dms, Auckland; 5 dms, Wellington
VARNISH—4 cs, Baja California, La Paz
YEAST—80 cs, Silverteak, Shanghai; (Tatuta) 80 cs, Kobe; 200 cs, Yokohama
ZINC DUST—47 dms, Silverteak, Manila; 32 dms, Silverwillow, Mombasa

Savannah Exports

Clearance Dates

Silversandal, November 2; Tulsa, October 29; Warlaby, October 29

COTTON LINTERS—396 bls, Warlaby, Hamburg
GLUCOSE—60 bbls, Silversandal, Manila
ROSIN, GUM—(Warlaby) 650 bbls, London; 127 bbls, Antwerp; 450 bbls, Hamburg
TURPENTINE, GUM—(Tulsa) 200 dms, Bristol; 200 bbls, London; 315 bbls, Rotterdam; 430 bbls, Antwerp; (Warlaby) 500 bbls, London; 500 bbls, Rotterdam; 500 bbls, Hamburg
WOOD—230 dms, 10 cs, Silversandel, Manila

Tampa Exports

Clearance Dates

Austvangen, October 27; Blommersdijk, October 29; W M Delphia, October 28; Kiel, October 31; Laguna, October 29; Matagua, October 26

BAKING POWDER—3 cs, Matagua, Belize
DYE, COALTAR—100 gls, Austvangen, Kingston
VEGETABLE SOLUT—100 gls, Austvangen, Kingston
GASOLINE—13 dms, Matagua, Belize; 10 dms, W M Delphia, Belize; 7 dms, Laguna, Belize
KEROSENE—7 dms, Matagua, Belize; 3 dms, W M Delphia, Belize
MEDICINAL PREPS—4 ctns, Matagua, Belize
PARAFFIN, LIQ—75 gls, Austvangen, Kingston
PHOSPHATE—3,998 tons, Blommersdijk, Antwerp; 2,623 tons, Kiel, Rendsburg
SALT—11 bgs, Matagua, Belize
SOAP, LAUNDRY—20 cs, Matagua, Belize
TOILET—3 cs, Matagua, Belize
POWDERED—2 cs, Matagua, Belize
STARCH, CORN—3 cs, Matagua, Belize
SUPERPHOSPHATE, TRIPLE — 6,600 lbs, Blommersdijk, Port Marshall, Liberia
WAX, EMULSION — 50 gls, Austvangen, Kingston

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

SWITZERLAND—Active and well established firm, best references, would be interested in securing American agencies for the sale of chemicals, oils, waxes, solvents and similar raw materials. Prepared to buy for own account or on commission basis. BOX 180, Oil, Paint and Drug Reporter.

HIGHLY RESPONSIBLE New York export organization successfully handling industrial chemicals and allied products, with important connections Continental Europe and India interested agencies American manufacturers desirous building up export market. BOX 182, Oil, Paint and Drug Reporter.

FOR SALE of chemicals, dyestuffs or chemical specialties, New England states. Headquarters, Boston, by sales executive successfully identified many years with foremost manufacturer, heavy chemicals with productive following in textile and tanning trade and allied interests. BOX 184, Oil, Paint and Drug Reporter.

Equipment Offered

CONSOLIDATED OFFERS.—Ten No. 3 Rotex sifters, motor driven; two 24-inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous; rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FOR SALE—One belt driven 12 inches by 30 inches water cooled Kent roller mill. BOX 178, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Wanted

VACUUM DRYER, twelve to twenty shelves, with pump and condenser. Mixer, No. 3 Day Cincinnatus type. Porcelain lined mill, twenty pound capacity. Coating pans, thirty-eight inch; polishing pans. Excel Pharmacal Co., 22 East 21st street, New York.

Factories Offered

BRICK FACTORY, one story, 50 by 90, concrete floor, sprinklers, railroad siding, live steam available 24 hours per day. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Positions Vacant

SALES MANAGER of proven ability wanted to represent a million dollar company in the promotion of paints, enamels, etc., to the jobber and dealer trade. References, which will be strictly investigated, are required. BOX 160, Oil, Paint and Drug Reporter.

MAN capable of erecting and taking complete charge of shellac bleaching plant. All correspondence strictly confidential. Acme Shellac Prod. Corp., 4820-30th street, Long Island City, N. Y.

Positions Vacant

PHARMACEUTICAL SPECIALTY house has opening for man about 35 years of age, thoroughly experienced in pharmaceutical production, preferably with experience as correspondent. Excellent future. State full particulars. Address: Mr. Cummings, 163 Adams street, Buffalo, N. Y.

GENERAL SALES manager: A national organization wants an executive with managerial experience of a high order with a knowledge of the full paint industry. Replies strictly confidential. Salary $6,000 to $8,000 per year. Business Men's Clearing House, 209 South State street, Chicago, Illinois.

SALESMAN.—To sell petrolatum, white oil and trough grease part or full time in Metropolitan New York area for long established chemical house. Give full particulars. BOX 186, Oil, Paint and Drug Reporter.

Positions Wanted

SALES PROMOTION, management, import, export. Experienced, energetic, graduate chemist wants connection with progressive chemical house. Highest references. BOX 174, Oil, Paint and drug Reporter.

WELL QUALIFIED trader, 10 years with international organization, wholesale drugs, chemicals and allied lines. Company closing offices. Can buy or sell for domestic or foreign fields. Desires responsible position. BOX 167, Oil, Paint and Drug Reporter.

Positions Wanted

PAINT SALESMAN.—Twelve years dealer and industrial experience, open for position. Now employed. Resourceful. Excellent past record. Southern territory. BOX 183, Oil, Paint and Drug Reporter.

EXPERIENCED REFINER of corn starch. Factory supervision, development work, chemical control, design and operation corn syrup refinery, dextrose and dextrin units, oil refinery, fermentation of lactic acid, supervision mechanical and manufacturing departments modern corn products refinery. BOX 185, Oil, Paint and drug Reporter.

CHEMICAL ENGINEER, 24, desires sales, research or production work. Mechanical (photo-reproductive), analytical, electrical and process (pyrophosphate) experience. Acquainted with cosmetic, industrial and household specialties. Research on fish and vegetable oils. BOX 187, Oil, Paint and Drug Reporter.

Services Offered

CHEMISTS and chemical engineers—If you are now unemployed send your compete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

YOU'LL BE SURPRISED

at the low prices of Consolidated Guaranteed Good Rebuilt Equipment*. Efficient rebuilding at our 8-Acre Newark Plant enables us to sell at the lowest possible prices.

CONSOLIDATED PRODUCTS CO., Inc.

15-17-19 Park Row, New York City BArclay 7-0600

Plant: Newark, N. J. Cable: EQUIPMENT N. Y.

***See equipment in our classified listings above.**

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FOR THE CHEMICAL AND PROCESS INDUSTRIES

FIRST MACHINERY CORP.

419 Lafayette St. New York, N.Y.

LIQUIDATORS APPRAISERS

Cable: EFFEMCY

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—58,499 bbls, Caliche, Baytown; 77,186 bbls, C J Barkdull, Baytown; 39,731 bbls, Esso Charleston, Baytown; 75,109 bbls, Beaconoil, Baytown

KEROSENE — 13,297 bbls, Esso Charleston, Baytown

OIL, GAS—78,712 bbls, Swiftsure, Sewaren, N. J; 50,481 bbls, Amsco, N Y; 63,037 bbls, Tidepenn, Carteret, N J

PETROLEUM, CRUDE—45,611 bbls, Ruth Kellogg, N Y; 90,672 bbls, Dannedaike, Texas City; 56,145 bbls, Paco, Texas City; 62,562 bbls, Federal, Houston: 50,172 bbls, Thermo, Texas City; 148,977 bbls, John D Archbold, Baytown; 141,792 bbls, W S Farish, Baytown; 138,833 bbls, G Harrison Smith, Baytown

NAPHTHA—12,977 bbls, Tidepenn, Carteret, N J

Los Angeles Coast Trade

GASOLINE — 63,440 bbls, Utacarbon, Seattle; 49,000 bbls, Camden, Seattle; 3,642 bbls, San Diegan, San Diego; 31,836 bbls, Edwin B de Golio, Tacoma; 75,404 bbls, Mojave, Oakland; 75,783 bbls, Huguenot, San Francisco; 5,274 bbls, San Diegan, San Diego

KEROSENE—2,074 bbls, Utacarbon, Seattle; 2,900 bbls, Camden, Seattle; 77,000 bbls, Olney, Sewaren

OIL, DIESEL—23,400 bbls, Camden, Seattle; 1,464 bbls, San Diegan, San Diego; 5,424 bbls, Edwin B de Golio, Tacoma; 5,744 bbls, Huguenot, San Francisco; 13,327 bbls, Tejon, Portland

FUEL—2,182 bbls, Mojave, Oakland; 67,794 bbls, Los Angeles, Oleum; 65,288 bbls, Frank G Drum, Avon; 49,968 bbls, Torres, Tacoma; 50,942 bbls, Tejon, Portland; 12,194 bbls, El Cedro, Tacoma; 7,259 bbls, James Griffiths, Tacoma

FURNACE—14,200 bbls, Utacarbon, Seattle; 3,318 bbls, Tejon, Portland

SOLVENT, CLEANING—1,484 bbls, Utacarbon, Seattle

Cargo Ship Arrivals

November 5 to November 18

New York

Amagisan	Yokohama*	Nov 18
American Farmer	London	Nov 14
American Merchant	London	Nov 7
American Oriole	Seattle	Nov 18
American Traveler	Manchester*	Nov 14
Amor	Maracaibo*	Nov 14
Ancon	Cristobal*	Nov 7
Arizonan	Portland*	Nov 12
Astri	Buenos Aires*	Nov 10
Black Gull	Rotterdam*	Nov 16
Black Hawk	Rotterdam*	Nov 9
Borinquen	Trujillo*	Nov 7
Brazil	Buenos Aires*	Nov 15
Bremen	Bremen*	Nov 14
Challenger	Mombasa*	Nov 12
City of Baltimore	San Francisco*	Nov 14
City of Khios	Calcutta*	Nov 11
City of Norfolk	San Francisco*	Nov 7
Coamo	Trujillo*	Nov 14
Coldbrook	Buenos Aires*	Nov 10
Cold Harbor	Glasgow*	Nov 14
Conte di Savoia	Genoa*	Nov 10
Cottica	Paramaribo*	Nov 14
Cypria	Marseilles*	Nov 12
Dorothy Luckenbach	Seattle*	Nov 19
Dundrum Castle	Beira*	Nov 18
Eastern Prince	Buenos Aires*	Nov 10
Elin K	Busreh*	Nov 13
Excalibur	Jaffa*	Nov 10
Exchester	Istanbul*	Nov 7
Exmoor	Oran*	Nov 14
Express	Istanbul*	Nov 17
Extavia	Chanak*	Nov 9
Flora	Maracaibo*	Nov 7
Fort Amherst	St John's*	Nov 9
Fort Townshend	St John's*	Nov 16
Fredhem	Ilheos*	Nov 18
Gonzenheim	Hernosand*	Nov 16
Grete Maersk	Manila*	Nov 9
Gripsholm	Gothenburg	Nov 16
Guayaquil	Port au Prince*	Nov 14
Hansa	Hamburg*	Nov 18
Hedrun	Gdynia*	Nov 16
Herman Frasch	Grays Harbor*	Nov 17
Ile de France	Havre*	Nov 15
Ilsenstein	Antwerp	Nov 17
Independence Hall	Dunkirk*	Nov 16
Ingrid	Paramaribo*	Nov 15
J L Luckenbach	Seattle*	Nov 17
Jamaica	Puerto Colombia*	Nov 10
Jeff Davis	Manila*	Nov 14
Keiyo	Cebu*	Nov 8
Kosin	Yokohama*	Nov 13
Kunikawa	Yokohama*	Nov 10
Kyno	Hull*	Nov 15
Laconia	Liverpool*	Nov 14
Laila	Tocopilla*	Nov 10
Livenza	Trieste*	Nov 14
Ludington	San Francisco*	Nov 9
Mathura	Calcutta*	Nov 18
Montreal City	Bristol City*	Nov 16
Munargo	Havana*	Nov 10
Munsterland	Manila*	Nov 17
Nevadan	Tacoma*	Nov 8
New York	Hamburg*	Nov 11
Nordkap	Santos*	Nov 7
Normandie	Havre*	Nov 10
Orizaba	Vera Cruz*	Nov 8
Oslofjord	Oslo*	Nov 12
Panaman	Portland*	Nov 17
Panuco	Tampico*	Nov 9
Pastores	Puerto Barrios*	Nov 10
Pennland	Antwerp*	Nov 8
Pomona	Everett*	Nov 14
Port Montreal	Melbourne*	Nov 8
Puerto Rico	Ponce*	Nov 16
Queen Mary	Southampton*	Nov 17
Ragna Gorthon	Hamburg*	Nov 11
Rex	Genoa*	Nov 17
Robin Hood	Mombasa*	Nov 15
San Jacinto	Mayaguez*	Nov 7
San Lucas	Portland*	Nov 7
Santa Barbara	San Antonio*	Nov 7
Santa Elena	Curacao*	Nov 7
Santa Inez	Chanaral*	Nov 14
Santa Rosa	Curacao*	Nov 14
Sea Thrush	Los Angeles*	Nov 10
Seatrain Havana	New Orleans*	Nov 15
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Scanstates	Copenhagen*	Nov 10
Scythia	Liverpool*	Nov 7
Siboney	Vera Cruz*	Nov 15
Silveryew	Shanghai*	Nov 12
Skjelbred	Yokohama*	Nov 8
Susan V Luckenbach	Seattle*	Nov 9
Talamanca	Port Limon*	Nov 13
Tana	Santos	Nov 15
Telamon	Ciudad Bolivar*	Nov 15
Texas Banker	Houston	Nov 15
Texas Trader	Houston*	Nov 8
Tonsbergfjord	Antwerp*	Nov 16
Transylvania	Glasgow*	Nov 7
Troilus	Batavia*	Nov 18
Tuscaloosa City	Honolulu*	Nov 7
Vasaholm	Sundsvall	Nov 15
Veragua	Puerto Colombia*	Nov 17
Vermont	Portland*	Nov 14
Volendam	Rotterdam*	Nov 15
Washington	Hamburg*	Nov 10
West Notus	Portland*	Nov 16
Yorkmar	Seattle*	Nov 13

* And other ports

Recent Charters

FLAXSEED—2,726 tons, S S Glendene, Rosario to New York, 16s 6d; November

PETROLEUM — 4,221 tons, S S Rochester, gasoline, Gulf to North of Hatteras, 23c barrel; November

45,000 bbls, S S ——, fuel oil, Gulf to North of Hatteras, 21c barrel; November 15

4,718 tons, S S Caroline Maersk, fuel oil, Aruba to New York, 17c; November

—— tons, S S (Mallory), fuel oil, Gulf to North of Hatteras, 23c barrel; November

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act, or did not comply with other customs regulations, included the following articles for the reasons stated:—

Los Angeles

Week Ended November 3

Insecticide, 300 pieces; no ingredient statement; false efficacy claims.

San Francisco

Week Ended November 3

Hair dye, 420 pieces; coal tar dye without caution statement.

Medicinal preparation, 30 pieces; false therapeutic claims.

Medicinal preparations, 96 pieces; new drug.

Medicinal preparations, 24 pieces; new drug and false therapeutic claims.

Seattle

Week Ended November 3

Insecticide, 1 case; incorrect ingredient statement; false efficacy claims.

Medicinal preparations, 16 pieces; false therapeutic claims.

Fertilizer Materials

Markets at Other Centers

—Continued from page 52

100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra. Prices in effect through June, 1939.

NITRATE OF SODA.—100-pound bags, $29 per ton ex vessel or warehouse; 200-pound bags, $28.30 per ton ex vessel or warehouse.

SUPERPHOSPHATE.—Domestic, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal is quoted on the basis of $38.50 per ton, f.o.b. cars, Monterey and $39 per ton, f.o.b. cars, San Francisco Bay points, with the market firm. Trading has been good, but offerings are somewhat light.

TANKAGE.—Unground, fertilizer grade tankage, wet rendered, from domestic packing houses, quoted on the basis of $3.15 and 10c. per unit-ton, f.o.b. cars, San Francisco. High grade, quoted at $3.25 and 10c. per unit-ton. Dry rendered, ground, quoted at $35 per ton, f.o.b. cars; unground, dry rendered, quoted at from 57½c. to 60c. per unit of protein. The market is registering firmness.

BLOOD MEAL.—Domestic, $2.80 per unit, f.o.b. cars, San Francisco.

BONE MEAL.—Domestic steamed bone meal, depending upon quality and seller, quoted at from $25 to $29 per ton, delivered, Pacific Coast ports.

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